

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ FILE WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

Confidential Status Expired 7-17-95 960401 Oper. Nm. Chg.

DATE FILED 12-14-93

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. UTU-72106

INDIAN

DRILLING APPROVED: 12-20-93

SPUDDED IN: 5-20-94

COMPLETED: 6-17-94 PUT TO PRODUCING: 6-17-94

INITIAL PRODUCTION: 35 BOPD; 10 BWPD

GRAVITY A.P.I. 34

GOR:

PRODUCING ZONES: 3980-3995 (GRRV)

TOTAL DEPTH: 5,500'

WELL ELEVATION: 5384 GR; 5394 KB

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. BALCRON MONUMENT FEDERAL 22-17

API NO. 43-013-31429

LOCATION 1800' FNL FT. FROM (N) (S) LINE. 1980' FWL

FT. FROM (E) (W) LINE. SE NW

1/4 - 1/4 SEC. 17

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

17E

17

EQUITABLE RESOURCES



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

RECEIVED

DEC 14 1993

December 13, 1993

**DIVISION OF
OIL, GAS & MINING**

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are Applications for Permit to Drill the following wells:

Balcron Monument Federal #31-17

Balcron Monument Federal #22-17

Balcron Monument Federal #14-4

Balcron Monument Federal #11-25

Balcron Monument Federal #12-17

As operator, we hereby request that the status of this well be held TIGHT for the maximum period allowed by Federal and State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

SE NW Section 17, T9S, R17E

1800' FNL, 1980' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

From Myton, Utah, approximately 16 miles southwest.

16. DISTANCE FROM PROPOSED

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

18. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6,000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5383.7'

22. APPROX. DATE WORK WILL START*

Upon APD approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
		See attached		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM/CASING DESIGN
"E" HAZMAT DECLARATION
"F" SURVEY PLAT
"G" RIG LAYOUT

"H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT & FILL DIAGRAM
"M" ARCHEOLOGY REPORT
"N" PROPOSED PRODUCTION FACILITY DIAGRAM

DEC 1 A 1993

DIVISION OF
OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT-0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Coordinator of Environmental

and Regulatory Affairs

DATE December 13, 1993

SIGNED

Bobbie Schuman

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

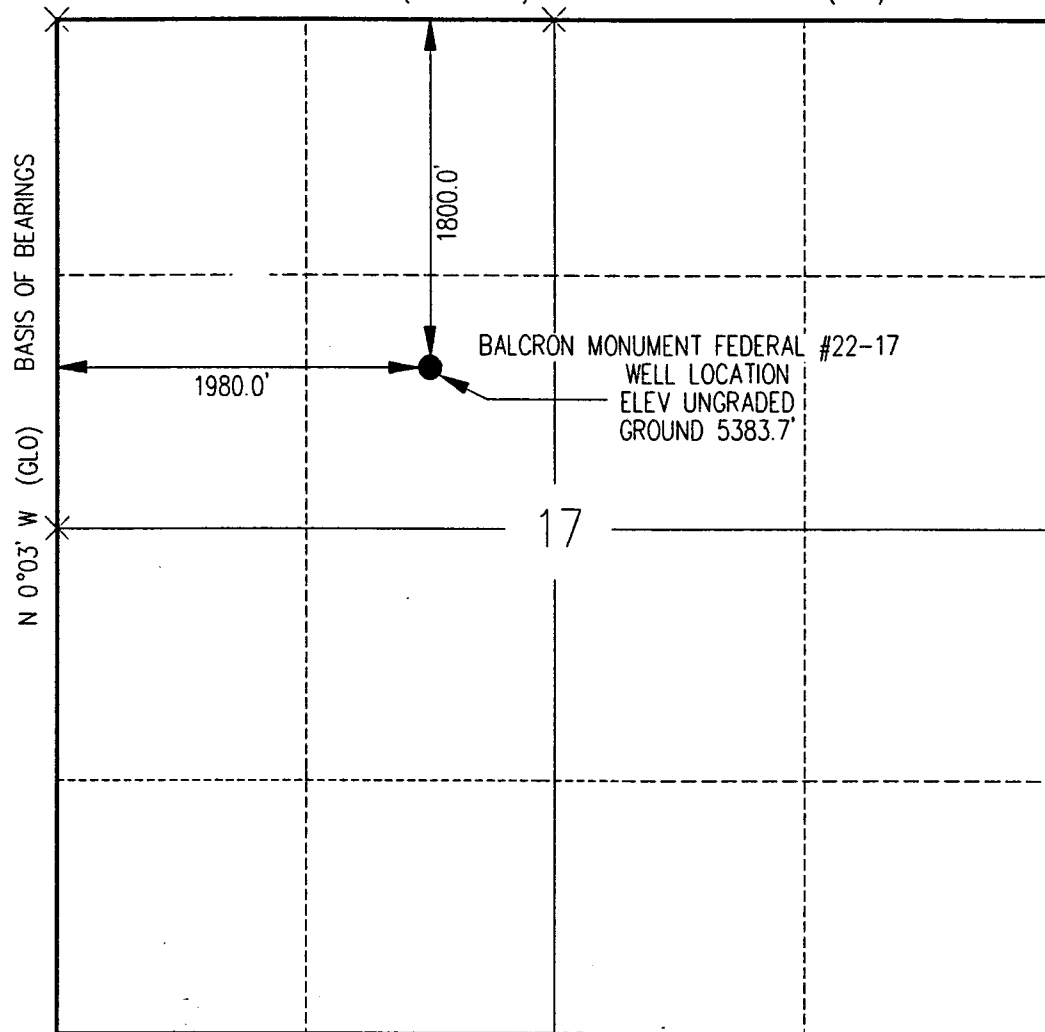
*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T9S, R17E, S.L.B. & M.

S 89°45'19" W 2613.25' (MEASURED)

S 89°52' W (GLO)



S 89°52' W (GLO)

X = SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. PLAT 1911

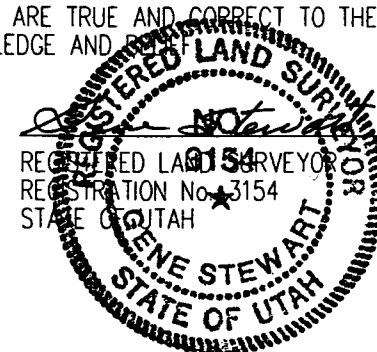
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #22-17,
 LOCATED AS SHOWN IN THE SE 1/4 NW 1/4
 OF SECTION 17, T9S, R17E, S.L.B. & M,
 DUCHESNE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF.



WEATHER: CLEAR & WARM

DATE: 11/6/93

SCALE: 1" = 1000'

SURVEYED BY: GS HW

FILE: 22-17



EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #22-17
SE NW Section 17-T9S-R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON MONUMENT FEDERAL #22-17
SE NW SECTION 17, T9S, R17E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' SE and 225' & 275' SW.
- B. The Monument Federal #22-17 is located 16 miles Southwest of Myton Utah in the SE1/4 NW1/4 Section 17, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 22-17, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 10.6 miles to a road intersection, turn right and continue 2.0 miles to proposed access road sign. Follow flags 0.2mile to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B"

Approximately 0.2 mile of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and

will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

- J. The proposed access road has been centerline flagged.
- K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. ~~A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 2160-5) for approval of subsequent installation operations.~~ See EXHIBIT "N" proposed production facility diagram.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.

B. No water well will be drilled on this location.

6. Source of Construction Materials

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

C. All surface disturbance area is on B.L.M. lands.

D. There are no trees on this location.

7. Methods of Handling Waste Materials:

A. Cuttings - the cuttings will be deposited in the reserve pit.

B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the North side of location. The flare pit will be located downwind of the prevailing wind direction on the Northwest near corner #4. Access will be from the West between corners #2 & #3.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources

Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at

the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report ~~will be forwarded upon completion~~ is attached. See EXHIBIT "M".
 - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 - 5. A silt catchment dam will be constructed if determined necessary as a condition of approval.

13. Lessee's or Operator's Representative:

Balcron Oil
a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

December 13, 1993
Date

Bobbie Schuman
Bobbie Schuman
Coordinator of Environmental
and Regulatory Affairs
BALCRON OIL division of
Equitable Resources Energy Co.

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area
LOCATION: Twn.9S Rge.16E & 17E
COUNTY: Duchesne

PROSPECT/FIELD: Monument Butte
STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- Drilling will be done using 2% KCl water and gel.

COMMENTS

- No cores or DST's are planned.

DMM/8/27/93

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight (9.63 ppg) : 0.500 psi/ft
 Shut in surface pressure : 2280 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sheet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD	5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT
 Date : 11-30-1992 (Revised 8/30/93)
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

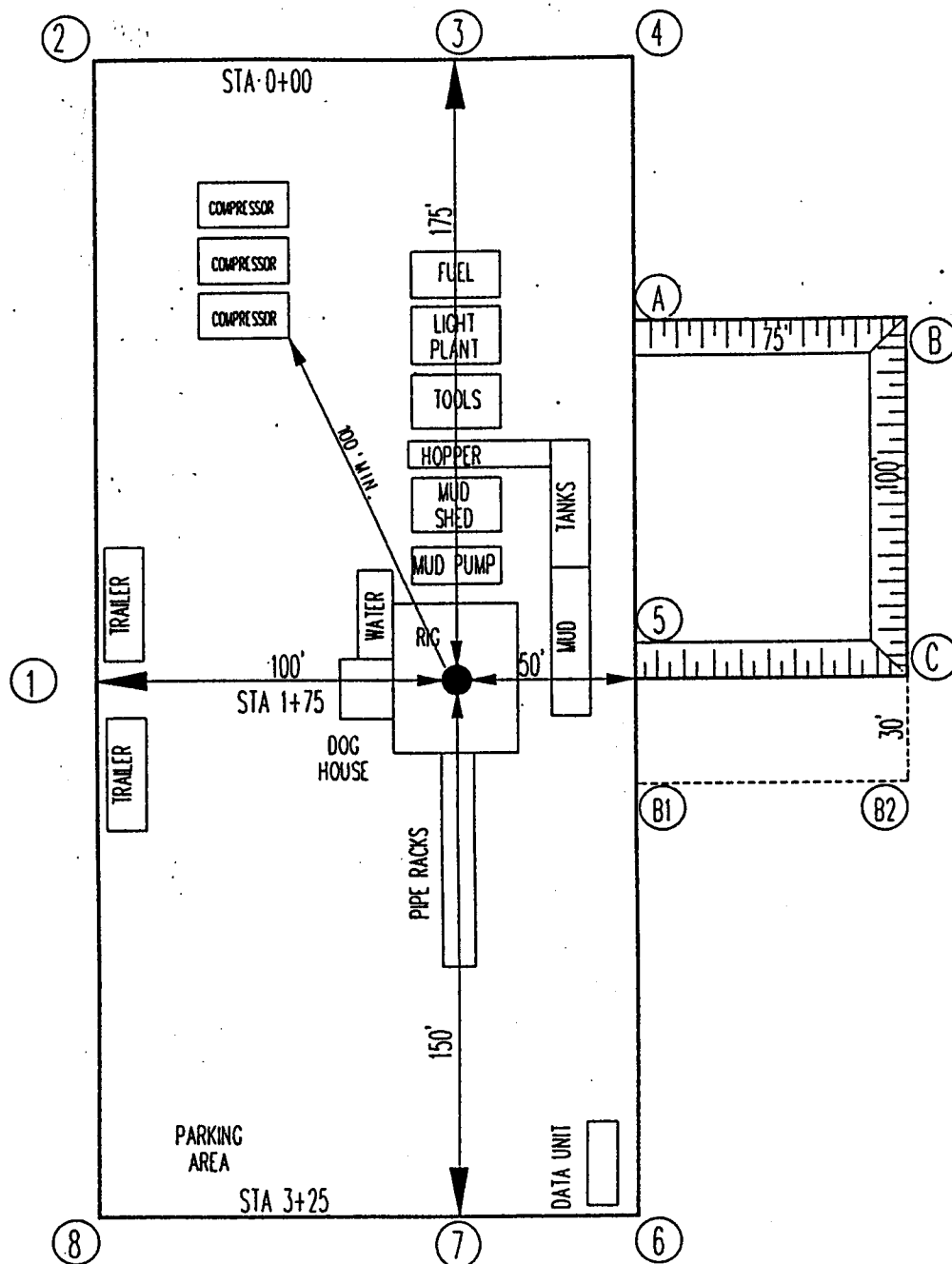
- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93
Revised 12/7/93
/rs

EQUITABLE RESOURCES ENERGY CO.

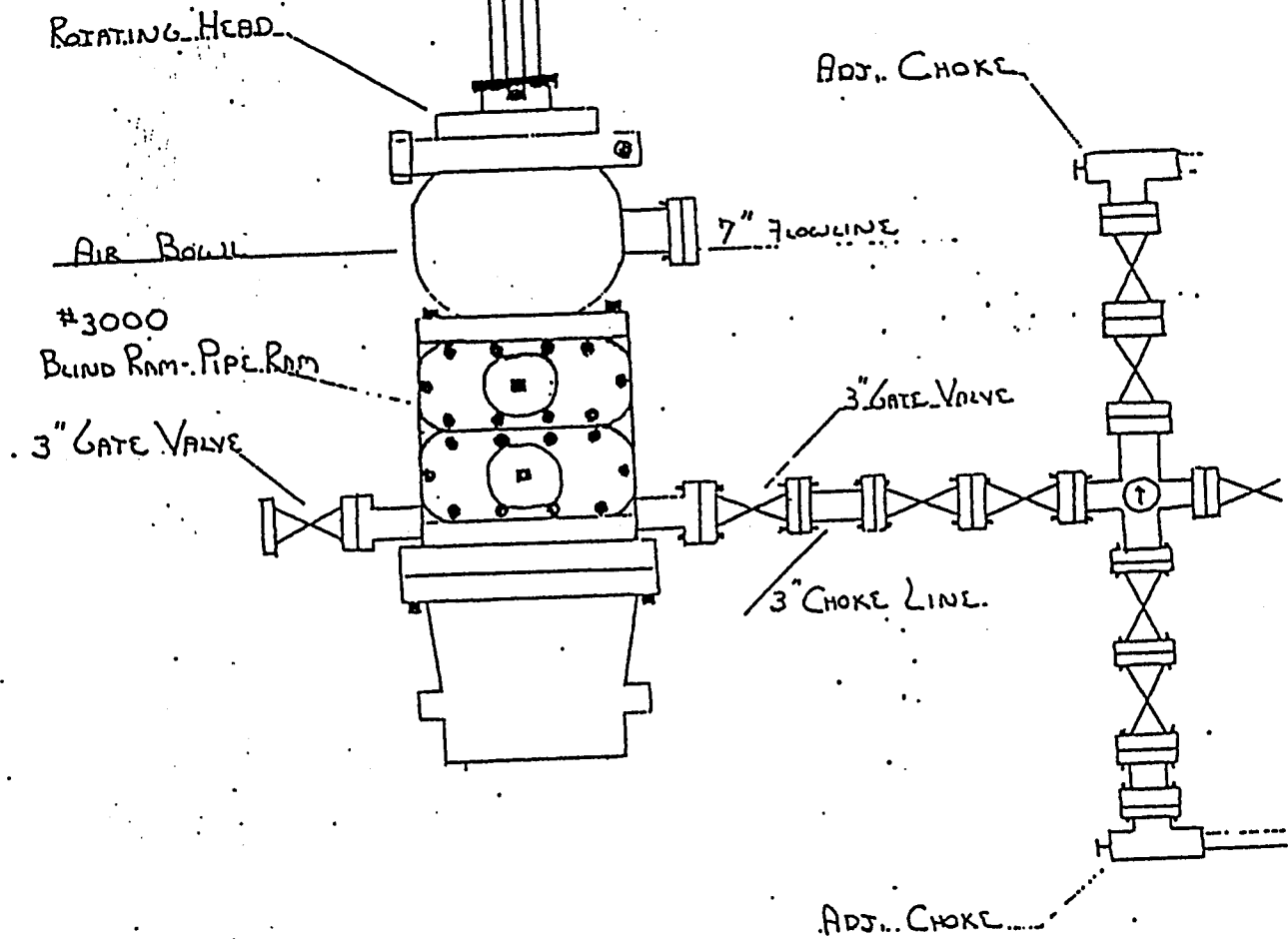
WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
 38 WEST 100 NORTH, VERNAL, UTAH 84078
 801-781-2501

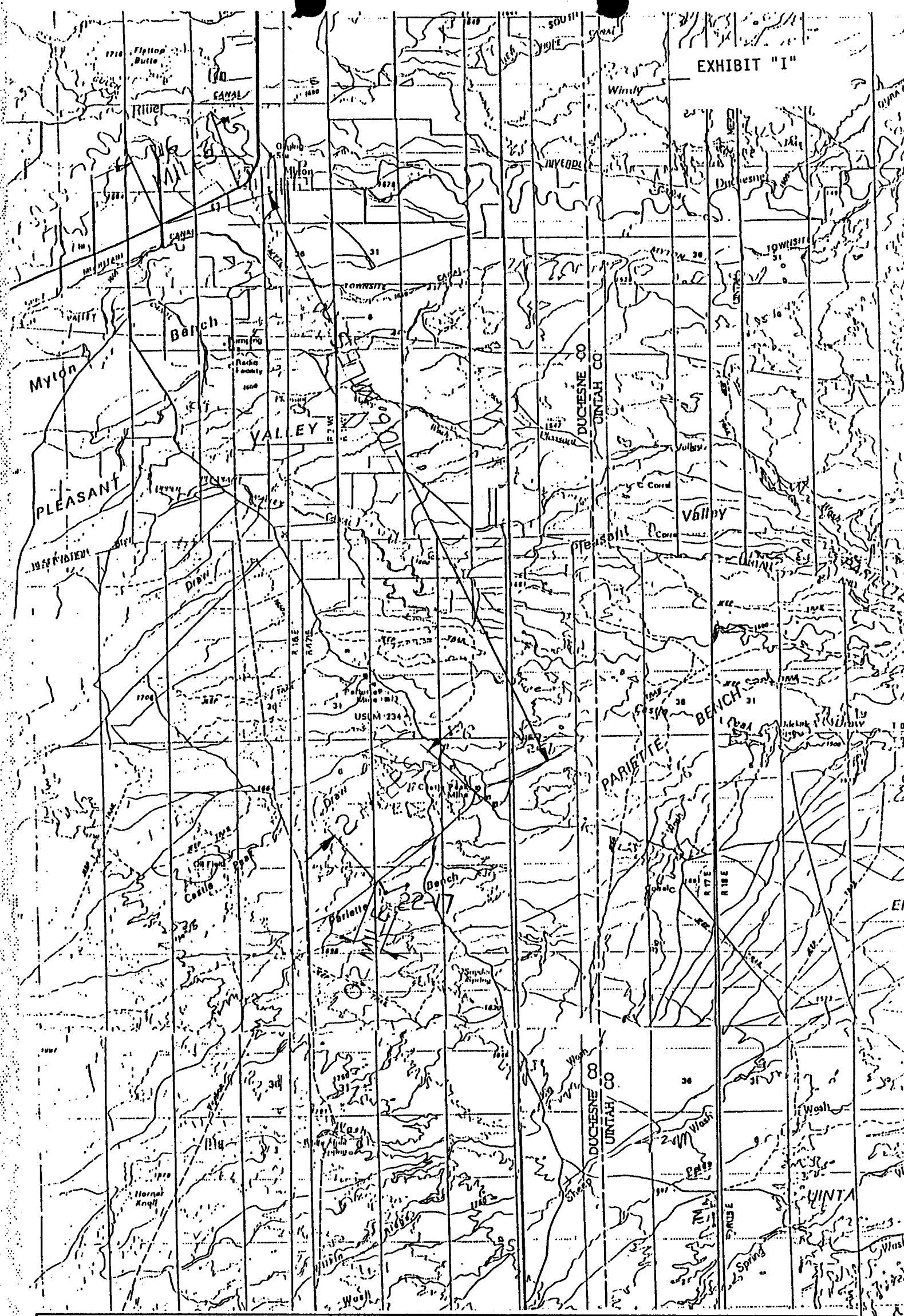
UNION DRILLING RIG #17

Hex Kelly



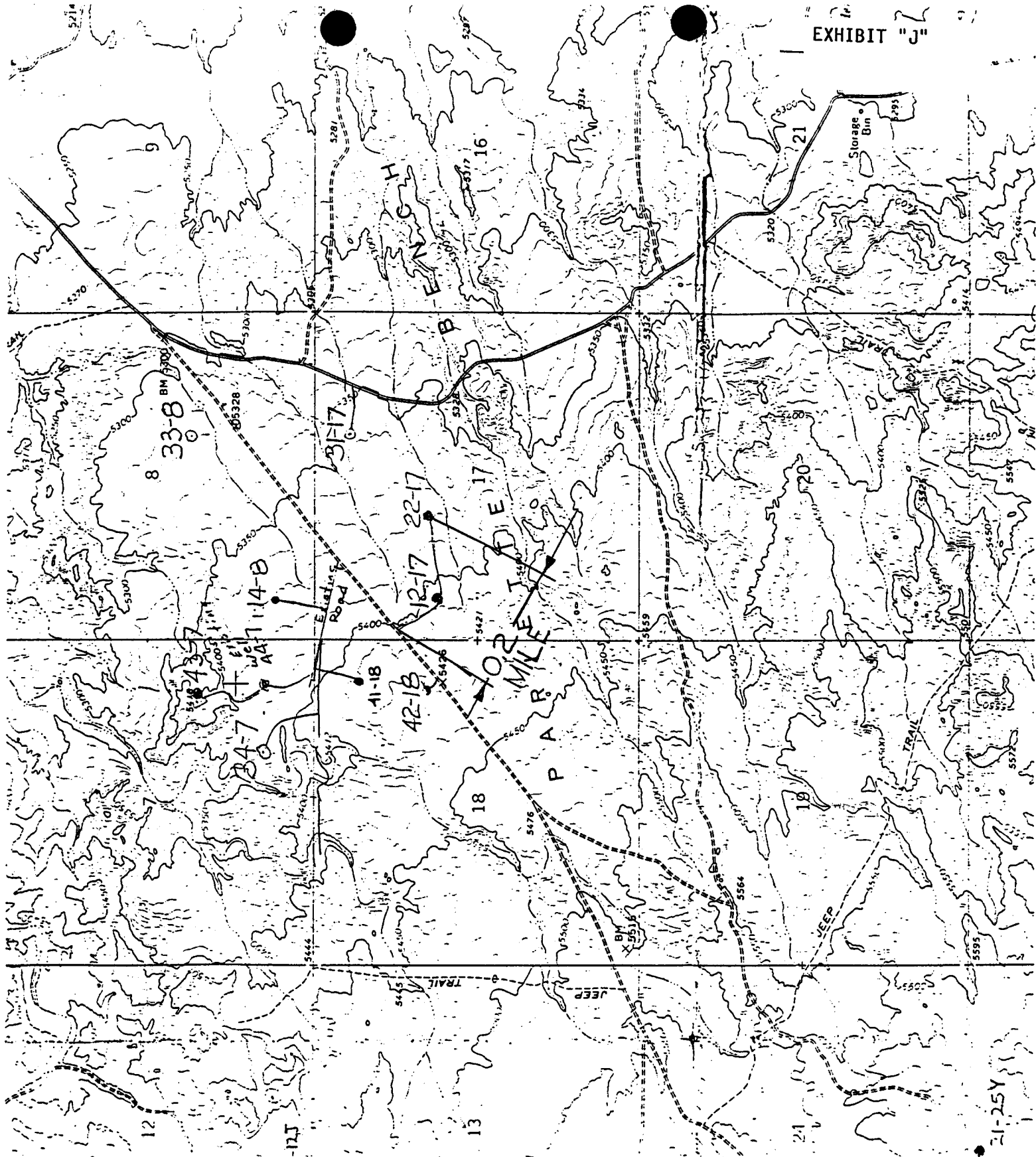
#3000 Stack

EXHIBIT "I"



EQUITABLE RESOURCES ENERGY CO.
MONUMENT FEDERAL #22-17
MAP "A"

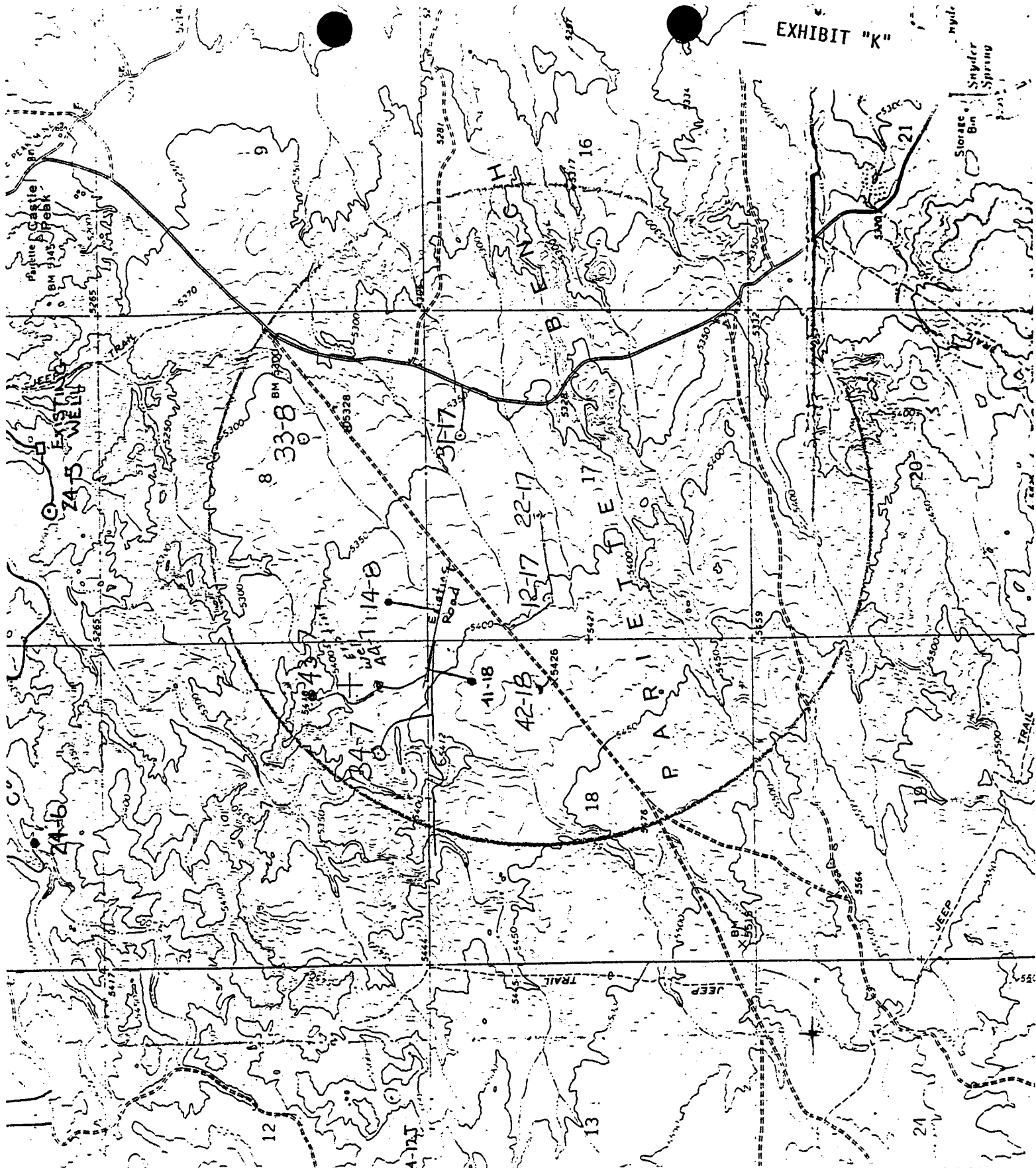
TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501



EQUITABLE RESOURCES ENERGY CO.
MONUMENT FEDERAL #22-17
MAP "B"

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

Snyder
Spring
- nyle

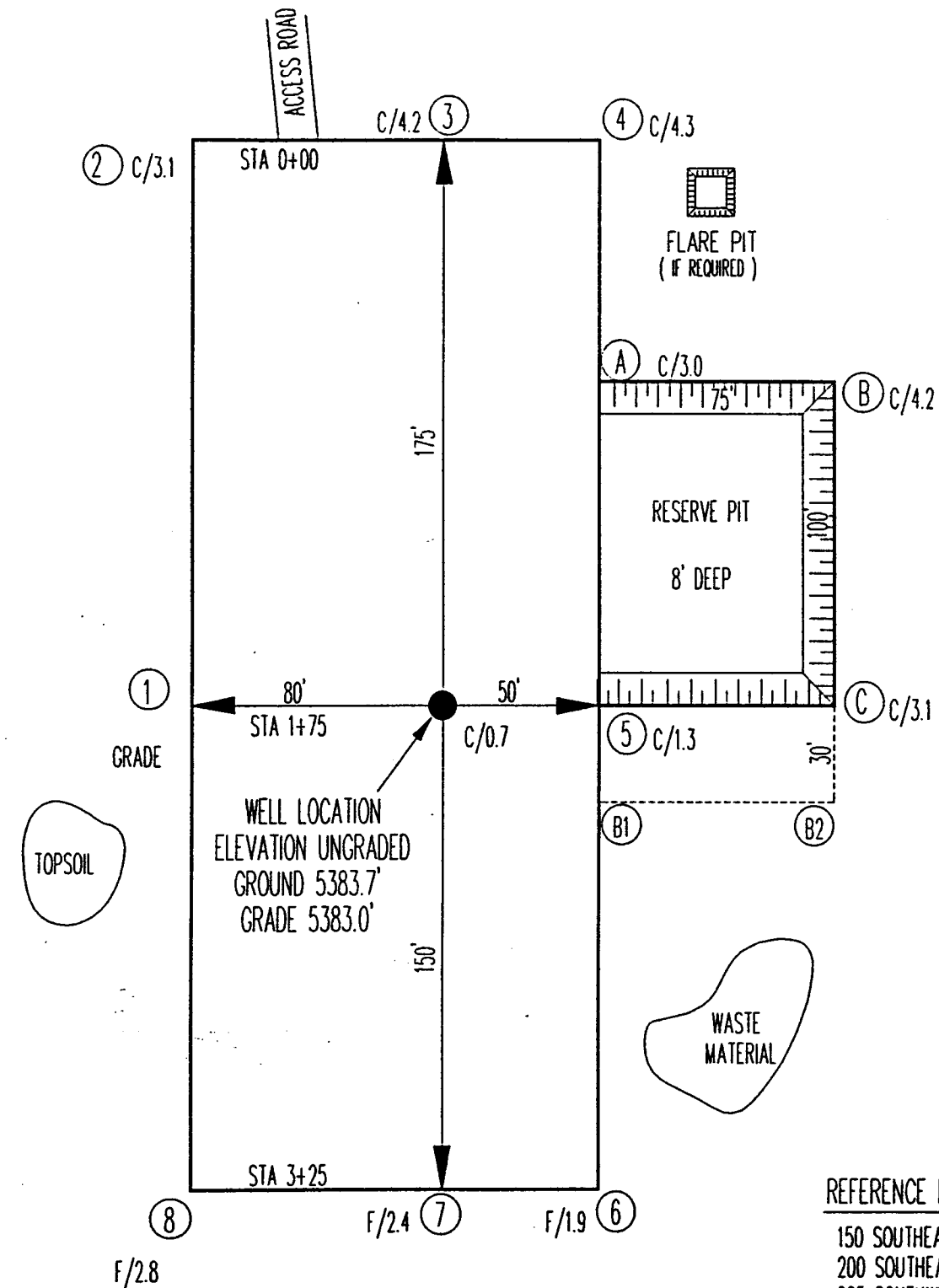


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801-781-2501



EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #22-17

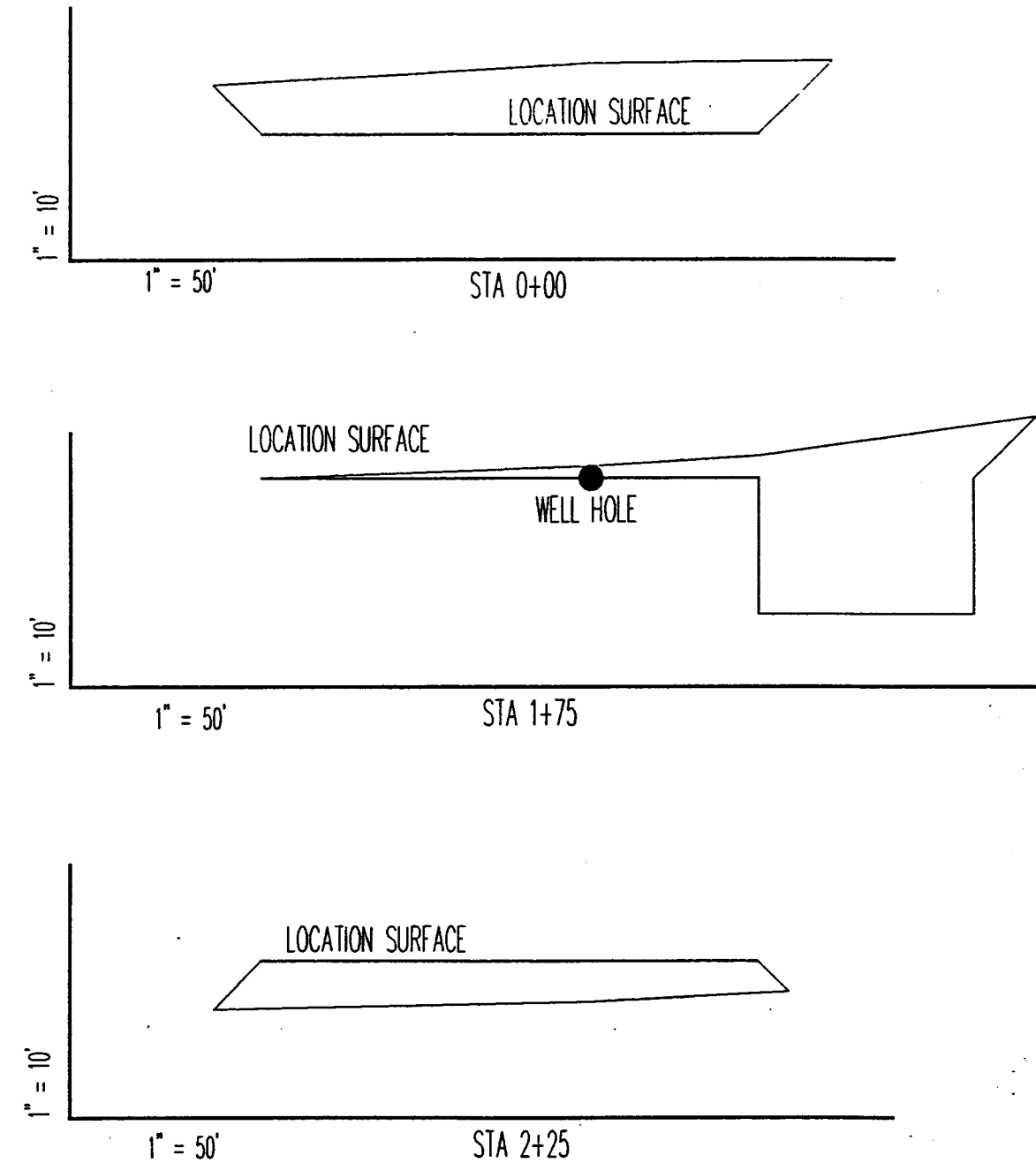


REFERENCE POINTS

150 SOUTHEAST 5382.3'
200 SOUTHEAST 5382.0
225 SOUTHWEST 5388.1
275 SOUTHWEST 5388.9

APPROXIMATE YARDAGE

CUT = 2094 Cu Yds
FILL = 1636 Cu Yds
PIT = 1826.4 Cu Yds



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LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

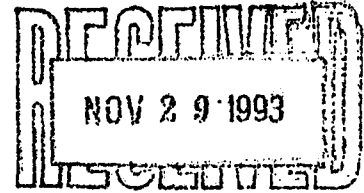


ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

22-17

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

November 22, 1993



Subject: CULTURAL RESOURCE EVALUATION OF SEVEN
PROPOSED WELLS IN THE MONUMENT BUTTES AND
PLEASANT VALLEY LOCALITIES OF DUCHESNE AND
UINTAH COUNTIES, UTAH

Project: Balcron Oil -- 1993-1994 Development Program

Project No.: BLCR-93-11

Permit No.: Dept. of Interior -- UT-93-54937

State Project No: UT-93-AF-669b

To: Ms. Bobbie Schuman, Balcron Oil Division, P.O. Box 21017, Billings, Montana
59104

Mr. David Little, District Manager, Bureau of Land Management, 170 South 500
East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,
Utah 84101

**CULTURAL RESOURCE EVALUATION
OF SEVEN PROPOSED WELLS
IN THE MONUMENT BUTTES AND
PLEASANT VALLEY LOCALITIES
OF DUCHESNE AND UINTAH COUNTIES, UTAH**

Report Prepared for Balcron Oil Company

**Dept. of Interior Permit No.: UT-93-54937
AERC Project 1415 (BLCR-93-11)**

Utah State Project No.: UT-93-AF-669b

**Principal Investigator
F. Richard Hauck, Ph.D.**

**Authors of the Report
F. Richard Hauck & Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

**181 North 200 West, Suite 5
P.O. Box 853
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November 22, 1993

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of seven proposed wells (Monument Federal Units 33-8, 12-17, 22-17, 31-17, 42-18, 43-7 and 41-26) and associated access routes situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah and the Pleasant Valley locality of Uintah County, Utah. This evaluation involved a total of 78.6 acres, of which 70 acres are associated with the seven well pads and an additional 8.6 acres associated with the various access road rights of way. These evaluations were conducted by Glade Hadden and Walter Lenington of AERC on November 16, 17 and 18, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

One newly identified cultural resource activity locus was discovered and recorded during the examinations. 42UN 2084 is a non-significant prehistoric activity locus associated with well location 41-26. This site is a cobble quarry area located within the proposed well development zone.

One isolated artifact was recorded during the investigations. Isolate 1415G/X1 is a non-diagnostic chert core noted on the access road between Units 12-17 and 22-17. This artifact was recorded but not collected.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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GENERAL INFORMATION

On November 16, 17 and 18, 1993, AERC archaeologists Glade Hadden and Walter Lenington conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved seven proposed well locations (Monument Federal Units 33-8, 12-17, 22-17, 31-17, 42-18, 43-7 and 41-26) and associated access roads located in the Monument Buttes area, and in the Pleasant Valley area, south of Myton, Utah. Some 78.6 acres were examined which includes ca. 70 acres associated with the well pads and an additional 8.6 acres associated with the various 100 foot-wide access routes. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

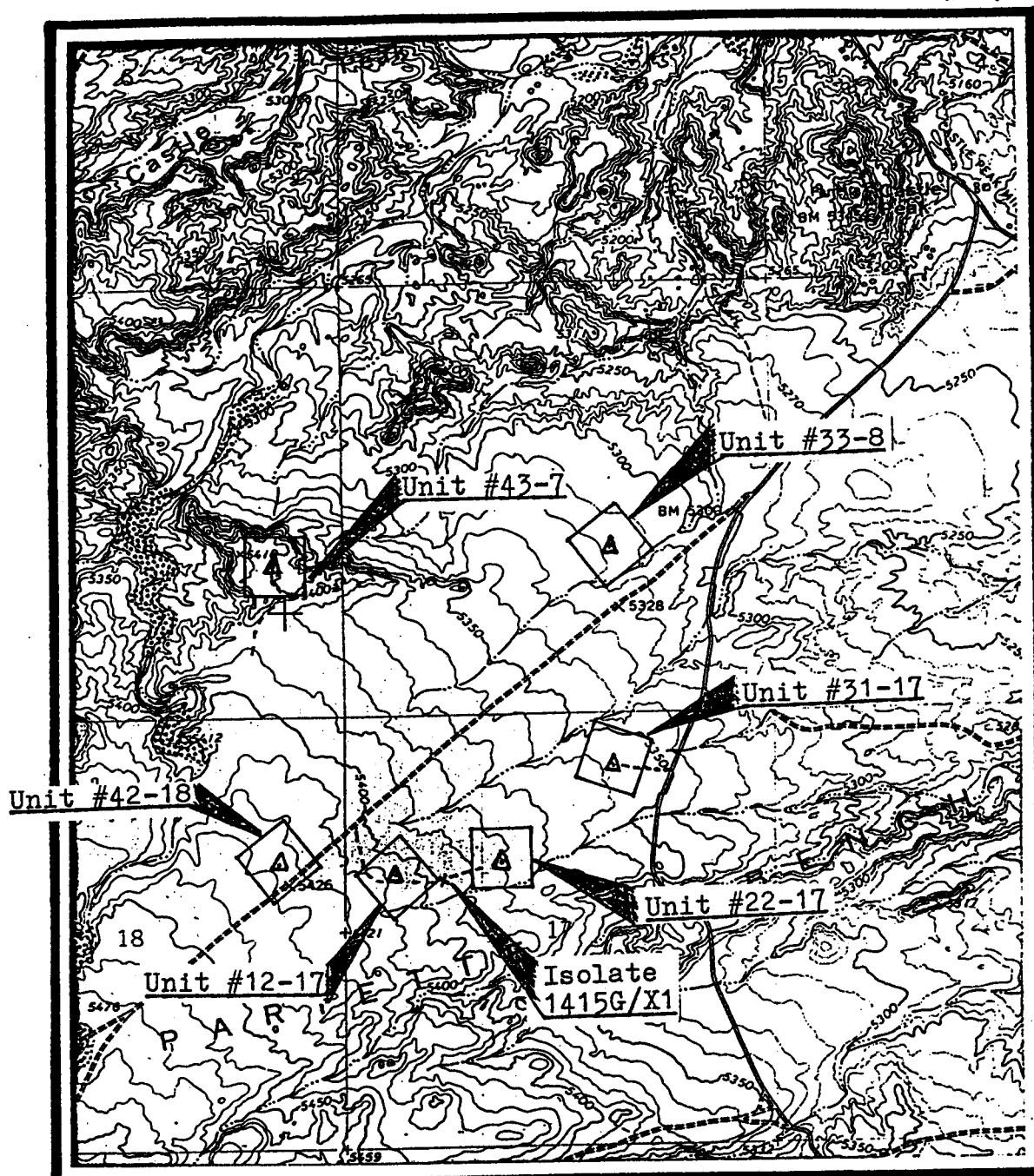
The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments of these seven drilling locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

Project Location



The project location is in the Monument Buttes locality of Duchesne County, Utah (situated on the Myton SE 7.5 minute topographic quad) and in the Pleasant Valley locality of Uintah County, Utah (situated on the Pariette Draw SW 7.5 minute topographic quad). The proposed drilling locations are situated in the following sections:

Balcron Monument Federal #33-8 is located in the NW - SE of Section 8, T. 9 So., R. 17 E. (see Map 1)



T. 9 So.
R. 17 E.
Meridian: SL
Quad: Myton SE
Utah

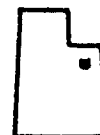
MAP 1
Cultural Resource Survey of
Proposed Balcron Well Units
in the Monument Buttes
Locality, Duchesne County

Legend:
Well Location 
Access Route 

4
N

Project: BLCR-93-11
Series: Uinta Basin
Date: 11/22/93

Scale: 1:64,000



AERC

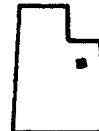


T. 8 So.
R. 17 E.
Meridian: SL
Quad: Pariette
Draw SW
Utah

MAP 2
Cultural Resource Survey of
a Proposed Balcron Well
in the Pleasant Valley
Locality, Uintah County

Legend:
Well Location
Access Route
Cultural Site

Project: BLCR-93-11
Series: Uinta Basin
Date: 11/22/93
Scale: 1:64,000



Balcron Monument Federal #12-17 is located in the SW - NW of Section 17, T. 9 So., R. 17 E. and includes ca. 600 feet of access road (see Map 1)

Balcron Monument Federal #22-17 is located in the SE - NW of Section 17, T. 9 So., R. 17 E. and includes ca. 500 feet of access road (see Map 1)

Balcron Monument Federal #31-17 is located in the NW - NE of Section 17, T. 9 So., R. 17 E. and includes ca. 350 feet of access road (see Map 1)

Balcron Monument Federal #42-18 is located in the SE - NE of Section 18, T. 9 So., R. 17 E. (see Map 1)

Balcron Monument Federal #43-7 is located in the NE - SE of Section 7, T. 9 So., R. 17 E. and includes ca. 1000 feet of access road (see Map 1)

Balcron Monument Federal #41-26 is located in the NE - NE of Section 26, T. 8 So., R. 17 E. and includes ca. 1300 feet of access road (see Map 2)

Environmental Description

The project area is within the 5000 to 5500 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Eriogonum* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, *Salix* spp., *Typha* spp., and a variety of grasses and sedges.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 19, 1993. A similar search was conducted in the Vernal District Office of the BLM on November 16, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and

recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area covering each well pad. In addition, access routes were surveyed by the archaeologists walking a pair of 10 to 15 meter wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 8.6 acres) was examined for the total ca. 3750 foot length of proposed access road, in addition to the seventy acres inventoried on the well pads for a total of 78.6 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

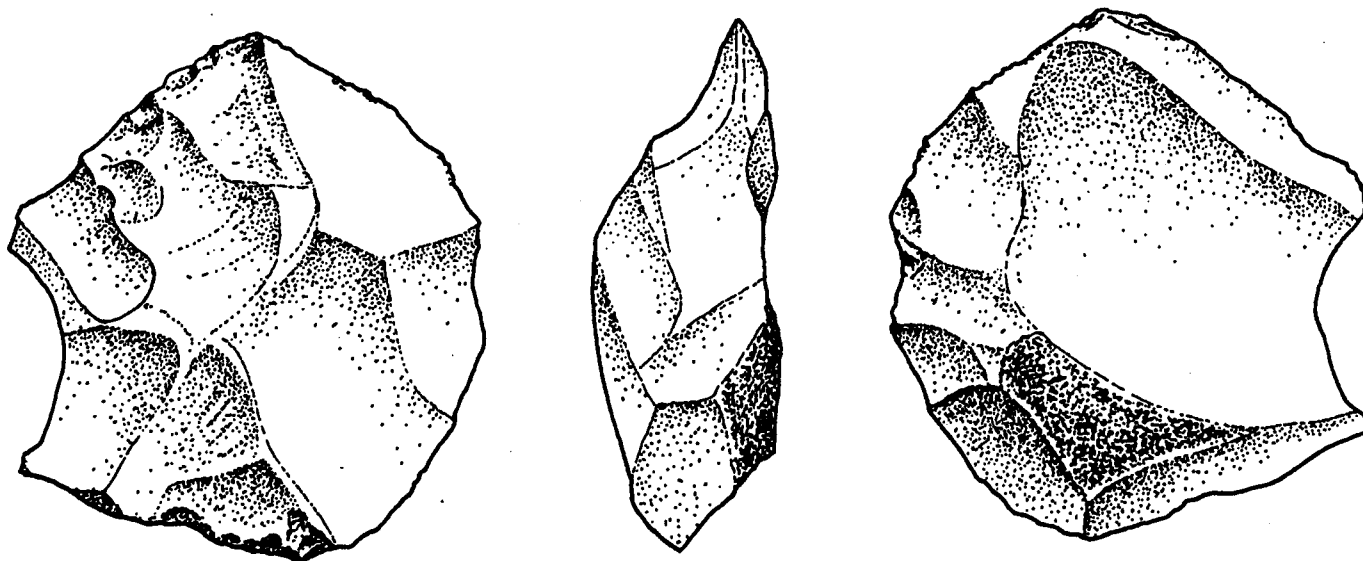
Results of the Inventory

One prehistoric cultural resource activity locus was observed and recorded during the archaeological evaluations. Site 42UN 2084 (see map 2) is a 50 x 120 meter lithic surface quarry area. Isolated flakes are located up to 500 meters from the main locus. Artifacts are composed mainly of Parachute Creek Chert cores. Two biface blanks and two utilized flakes were also found. This non-significant site is of a type commonly found in the area. Remnant lag gravel deposits with many chert and quartzite cobbles present cover extensive areas in this locality, and most such "Desert Pavement" sites are the location for "Tap and Test" quarry operations. No buried deposits are present and artifact context is questionable due to sheet wash erosion. The site does not qualify under criterion d of Title 36 CFR 60.6.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

No paleontological loci were observed or recorded during the evaluations.

One isolated artifact was recorded during the evaluations. Isolate 1415G/X1 (see Figure one) consists of a single Parachute Creek chert core located along the access route connecting Units 12-17 and 22-17. This artifact was not collected.



WJG
1993

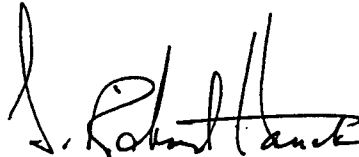
Isolated Artifact 1415G/X1
(actual size)

CONCLUSION AND RECOMMENDATIONS

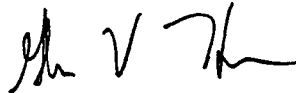
No known significant cultural or paleontological resources will be adversely impacted during the development and operation of Balcron Units 33-8, 12-17, 22-17, 31-17, 42-18, 43-7 and 41-26 as evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments of these seven proposed drilling locations based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator



Glade V Hadden
Field Supervisor

REFERENCES

Hadden, Glade V and F. R. Hauck

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.

- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.

Equitable Resources Energy Company Balcron Monument Federal 22-17 Proposed Production Facility Diagram

EXHIBIT "N"

Balcron Monument Federal 22-17
SE NW Sec. 17, T9S, R17E
Duchesne County, Utah
Federal Lease #UTU-72106
1800' FNL, 1980' FWL

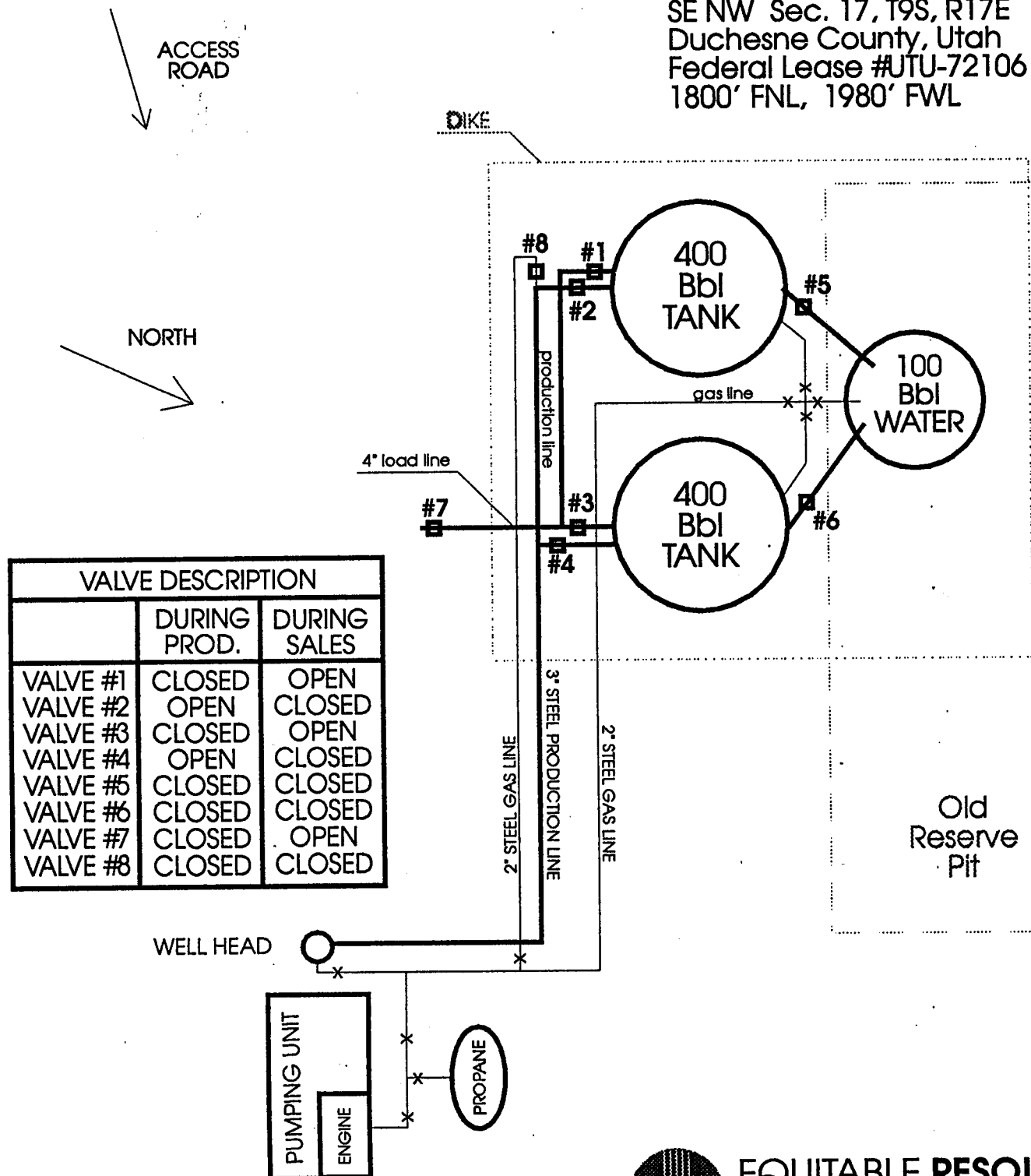


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/14/93

API NO. ASSIGNED: 43-013-31429

WELL NAME: BALCRON MONUMENT FEDERAL 22-17
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

SENW 17 - T09S - R17E
SURFACE: 1800-FNL-1980-FWL
BOTTOM: 1800-FNL-1980-FWL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: UTU-72106

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond FEDERAL MT 0576
(Number 5547188 NATION WIDE)
N Potash (Y/N)
N Oil shale (Y/N)
N Water permit
(Number BY SUNDAY)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____
X R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: WELL IS (NOT) IN A SECONDARY RECOVERY UNIT

(INFILL LOCATION.)

STIPULATIONS: I, WATER SOURCE / PERMIT WILL BE NOTICED BY
SUNDAY PRIOR TO SPUD.

CONFIDENTIAL
PERIOD

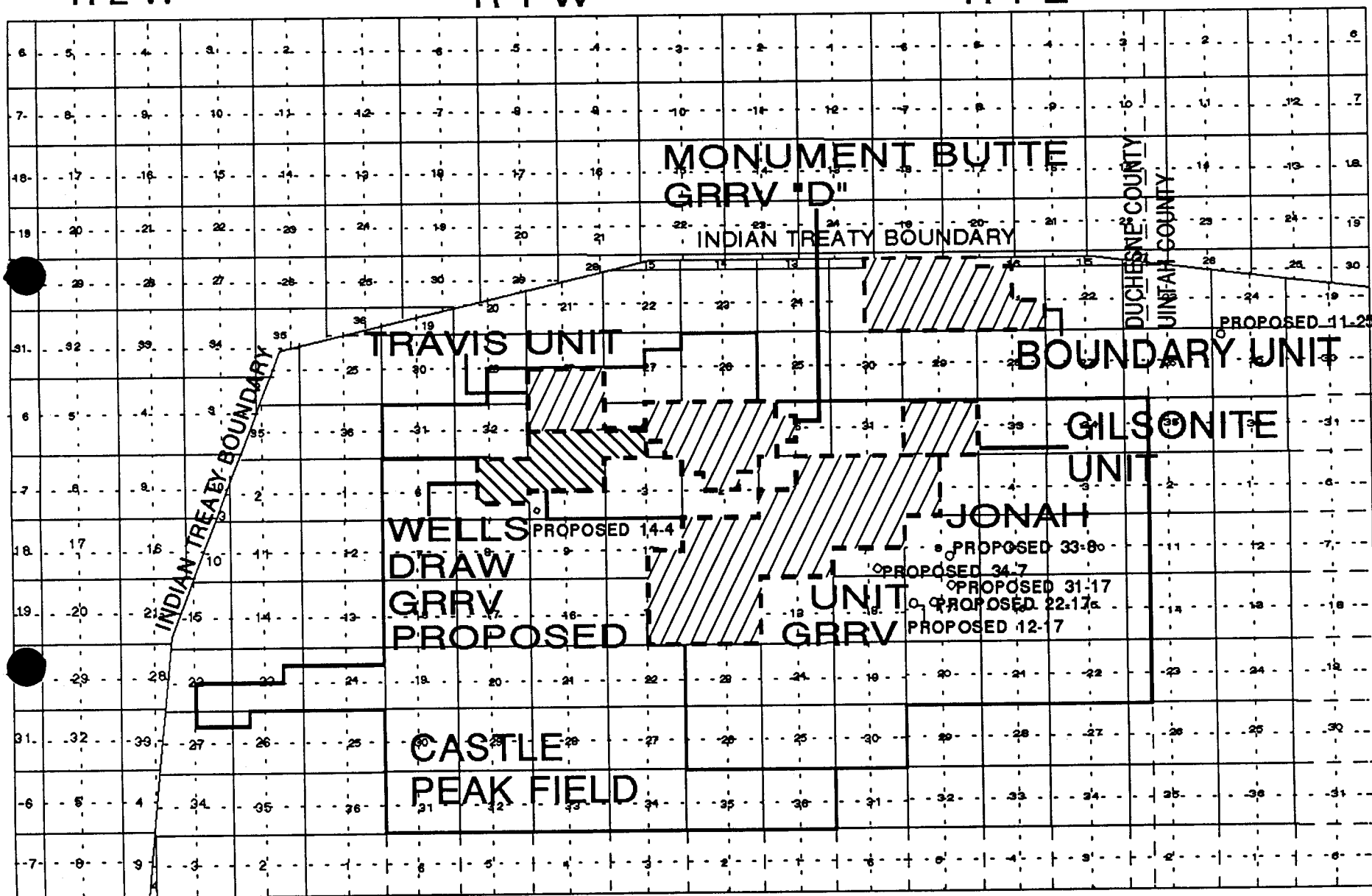
EXPIRED
ON 7-17-95

MONUMENT BUTTE WATER FLOOD UNITS

R 2 W

R 1 W

R 1 E



T 4 S

T 8 S

T 9 S

R 15 E

R 16 E

R 17 E

--- WATER FLOOD BOUNDARY

— FIELD BOUNDARY

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Type of Work
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

Type of Well
Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone ☐

Name of Operator
Equitable Resources Energy Company, Balcron Oil Division

Address of Operator
P.O. Box 21017; Billings, MT 59104

Location of Well (Report location clearly and in accordance with any State requirements.)
At surface 1800' FNL, 1980' FWL SENW Sec. 17, T9S, R17E

At proposed prod. zone

Distance in miles and direction from nearest town or post office*
From Myton, Utah, approximately 13 miles southwest.

Distance from proposed location to nearest property or lease line, ft. (Also to nearest drilg. line, if any)
16. No. of acres in lease 17. No. of acres assigned to this well

Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.
19. Proposed depth 6,000' 20. Rotary or cable tools Rotary

Elevations (Show whether DF, RT, GR, etc.)
GL 5383.7' 22. Approx. date work will start* Upon APD approval

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached				

Operator plans to drill this well in accordance with the attached Federal Application for Permit to Drill.

RECEIVED

DEC 14 1993

DIVISION OF
OIL, GAS & MINING

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

I hereby certify that this report is true and complete to the best of my knowledge.

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date December 13, 1993

(This space for Federal or State office use)

API NO. 43-013-31409

Approval Date

Approved by
Conditions of approval, if any:

Title

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12-20-93

BY: BA Matthews

WELL SPACING 49-3-2

*See Instructions On Reverse Side

BALCRON OIL

Balcron Monument Federal #22-17

SE NW Section 17, T9S, R17E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

**ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078**

DECEMBER 8, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #22-17

Description of Geology and Topography-

This well is located 11 miles south of Myton, Utah. It sits toward the west end of Pariette Bench. The immediate area is flat and covered with sandy alluvium and small rock fragments. Drainage is gentle to the southeast.

All rock outcrops in the general area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

There are no exposures of bed rock (Uinta Formation) in the area of the wellpad or proposed access road.

Paleontological material found -

No fossils were found on the wellpad location or access road.

Recommendations-

No other recommendations are made for this location.

William H. Hamilton

Date December 9, 1993



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

RECEIVED

DEC 17 1993

DIVISION OF
OIL, GAS & MINING

December 15, 1993

CONFIDENTIAL

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are Paleontology Reports on the wellpad location and access road for the following wells:

Balcron Monument Federal #11-25
Balcron Monument Federal #12-17
Balcron Monument Federal #14-4
Balcron Monument Federal #22-17 43 013 31429
Balcron Monument Federal #31-17
Balcron Monument Federal #33-8
Balcron Monument Federal #34-7
Balcron Monument Federal #41-26
Balcron Monument Federal #42-18
Balcron Monument Federal #43-7

Applications for Permit to Drill these wells have already been submitted.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 21, 1993

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Re: Balcron Monument Federal #22-17 Well, 1800' FNL, 1980' FWL, SE NW, Sec. 17,
T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.



Page 2

Equitable Resources Energy Company
Balcron Monument Federal #22-17 Well
December 21, 1993

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31429.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth', is written over the printed name.

R.J. Firth
Associate Director, Oil and Gas

ldc

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal

WOI1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

3 0 9 1994

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK OF

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

OIL GAS & MINING
PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

SE NW Section 17, T9S, R17E 1800' FNL, 1980' FWL

At proposed prod. zone

43-013-31429

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

From Myton, Utah, approximately 16 miles southwest.

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)

18. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6,000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5383.7'

22. APPROX. DATE WORK WILL START*

Upon APD approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
		See attached		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM/CASING DESIGN
"E" HAZMAT DECLARATION
"F" SURVEY PLAT
"G" RIG LAYOUT

"H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT & FILL DIAGRAM
"M" ARCHEOLOGY REPORT
"N" PROPOSED PRODUCTION FACILITY DIAGRAM

RECEIVED

DEC 14 1993

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Coordinator of Environmental
and Regulatory Affairs

SIGNED

Robbie Schuman

TITLE

DATE December 13, 1993

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

ASSISTANT DISTRICT

FEB 02 1994

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

MANAGER MINERALS

DATE

NOTICE OF APPROVAL
See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 22-17

API Number: 43-047-31429

Lease Number: U-72106

Location: SENW Sec. 17 T. 9S R. 17E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at ± 300 ft. or by setting the surface casing at ± 350 ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at ± 2600 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to $\pm 2,400$ ft. if the surface casing is set at ± 350 ft. or it will be run to ± 100 ft. if the surface casing is set at ± 260 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

The reserve pit liner will have sufficient bedding (straw or dirt) to cover rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc..., that could puncture the liner will be deposited in the pit.

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling the reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

Additional Surface Conditions of Approval

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

Construction of the access road must be monitored by a qualified paleontologist.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

If the proposed oil well is scheduled for development between March 15 and August 15, additional surveys for mountain plovers will be required a minimum of 14 days prior to surface disturbance. Contact the Authorized Officer of the BLM for specific procedures.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW Sec. 17; T9S, R17E
1800' FNL, 1980' FWL

5. Lease Designation and Serial No.
UTU-72106

6. If Indian, Allottee or Tribe Name
n/a

7. If Unit or CA, Agreement Designation
n/a

8. Well Name and No.
Balcron Monument Fed. #22-17

9. API Well No.
43-013-31429

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

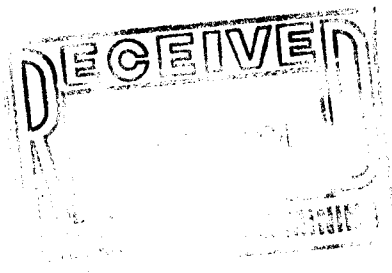
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other change in drilling water source
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator proposes to change the drilling water source on this well from the sources noted in the approval Application for Permit to Drill (APD) to a source permitted as shown on attached permit (Application #a17992, Water right #47-1437). Ownership is Keith Hicken c/o Dalbo Inc.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5-16-94
BY: Matthew



14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman
(This space for Federal or State office use)

Regulatory and
Title Environmental Specialist

Date May 11, 1994

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Microfilmed _____

Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: a17992

WATER RIGHT NUMBER: 47 - 1437

This Change Application proposes to change the PLACE OF USE and NATURE OF USE.

1. OWNERSHIP INFORMATION.

A. NAME: Keith Hicken
c/o Dalbo Inc.
ADDRESS: Route 3, Myton, UT 84052

B. PRIORITY OF CHANGE: April 18, 1994

FILING DATE: April 18, 1994

C. RIGHT EVIDENCED BY: A26762

* DESCRIPTION OF CURRENT WATER RIGHT: *

2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 1.85 cfs

B. DIRECT SOURCE: Gorman Draw

COUNTY: Duchesne

C. POINT OF DIVERSION -- SURFACE:

(1) N 475 feet W 40 feet from S1 corner, Section 12, T 4S, R 2W, USBM

3. STORAGE. Water is diverted for storage into:

(1) Gorman Draw reservoir, from Jan 1 to Dec 31.

CAPACITY: 80.000 ac-ft.

Area inundated includes all or part of the following legal subdivisions:

BASE	TOWN	RANG	SEC	NORTH-EAST				NORTH-WEST				SOUTH-WEST				SOUTH-EAST			
				NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
SL	4S	2W	12											X	X				X
			13		X				X	X									

Temporary Change

CHANGE APPLICATION NUMBER: a17992 for Water Right: 47 - 1437 continued***** Page:

4. WATER USE INFORMATION.

The Water Right represented by this change application is SUPPLEMENTAL to other Water Rights.

IRRIGATION: from Apr 15 to Oct 15. IRRIGATING: 82.70 acres.
SOLE SUPPLY: 50.00 acres

5. PLACE OF USE. (Which includes all or part of the following legal subdivisions:)

BASE TOWN	RANG	SEC	NORTH-EAST				NORTH-WEST				SOUTH-WEST				SOUTH-EAST			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
SL	4S	2W	12			■ ■ ■				■ ■ ■				■ ■ ■	X		X	X
			13	X		■ ■ ■				■ ■ ■				■ ■ ■		X		

6. EXPLANATORY.

FLOW: Claims 1350 and 1437 limited to a combined flow of 1.85 c.f.s.

THE FOLLOWING CHANGES ARE PROPOSED:

7. SOURCE INFORMATION.

A. QUANTITY OF WATER: 4.0 acre-feet REMAINING WATER: Same as HERETOFORE
B. DIRECT SOURCE: Unnamed Pond COUNTY: Duchesne
C. POINT(S) OF DIVERSION -- SURFACE: Same as HERETOFORE.
D. COMMON DESCRIPTION: 4 miles south of Myton

8. STORAGE. Same as HERETOFORE

9. WATER USE INFORMATION. Changed as Follows:

OIL EXPLORATION from Apr 18 to Apr 17. Drilling and completion of wells in the
Monument Buttes & South Myton Areas.

. PLACE OF USE. Changed as Follows:

11. SIGNATURE OF APPLICANT(S).

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Signature of Applicant(s)

12. SIGNATURE OF APPLICANT(S).

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Keith Hickman by Ken
Signature of Applicant(s) De

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 22-17

API NO. 43-013-31429

Section 17 Township 9S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 5/20/94

Time 6:00 PM

How ROTARY

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-789-0790

Date 5/23/94 SIGNED DLI

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

UIU-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (259-7860)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW Section 17, T9S, R17E 1800' FNL, 1980' FWL

8. Well Name and No.

Balcron Monument Federal #22-17

9. API Well No.

43-013-31429

10. Field and Pool, or Exploratory Area

Monument Lutte / Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other Report of Spud.

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud at 6:00 p.m. on 5-20-94 by Union Drilling Rig #17.

RECEIVED

MAY 25 1994

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Regulatory and
Environmental Specialist

Date 5-23-94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Co., Balcron Oil Division OPERATOR ACCT. NO. N 9890
ADDRESS P.O. Box 21017
Billings, MT 59104
(406) 259-7860

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11638	43-013-31429	Balcron Monument Federal #22-17	SE NW	17	9S	17E	Duchesne	5-20-94	5-20-94
WELL 1 COMMENTS: <i>Entity added 5-31-94. Lec</i> Spud of a new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

RECEIVED

MAY 25 1994

DIVISION OF
OIL, GAS & MINING

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Date: 5-23-94

Bobbie Schuman
Signature
Regulatory & Environmental Specialist
Title
Phone No. (406) 259-7860

WELL REPORT

Balcron Oil
Monument Federal 22-17
SE NW 17-T9S-R17E
Duchesne Co. 43-013-31429 Utah

CONFIDENTIAL

FRANK A. RADELLA, INC.

Oil & Gas Exploration & Consulting
1610 Lewis Suite 202E
Billings, Montana 59102

FRANK A. RADELLA
Ofc. 406-245-5375

Res. 656-7215

FRANK A. RADELLA, INC.

Oil & Gas Exploration & Consulting

1601 Lewis Ave.
Billings, Montana 59102
(406) 245-5375

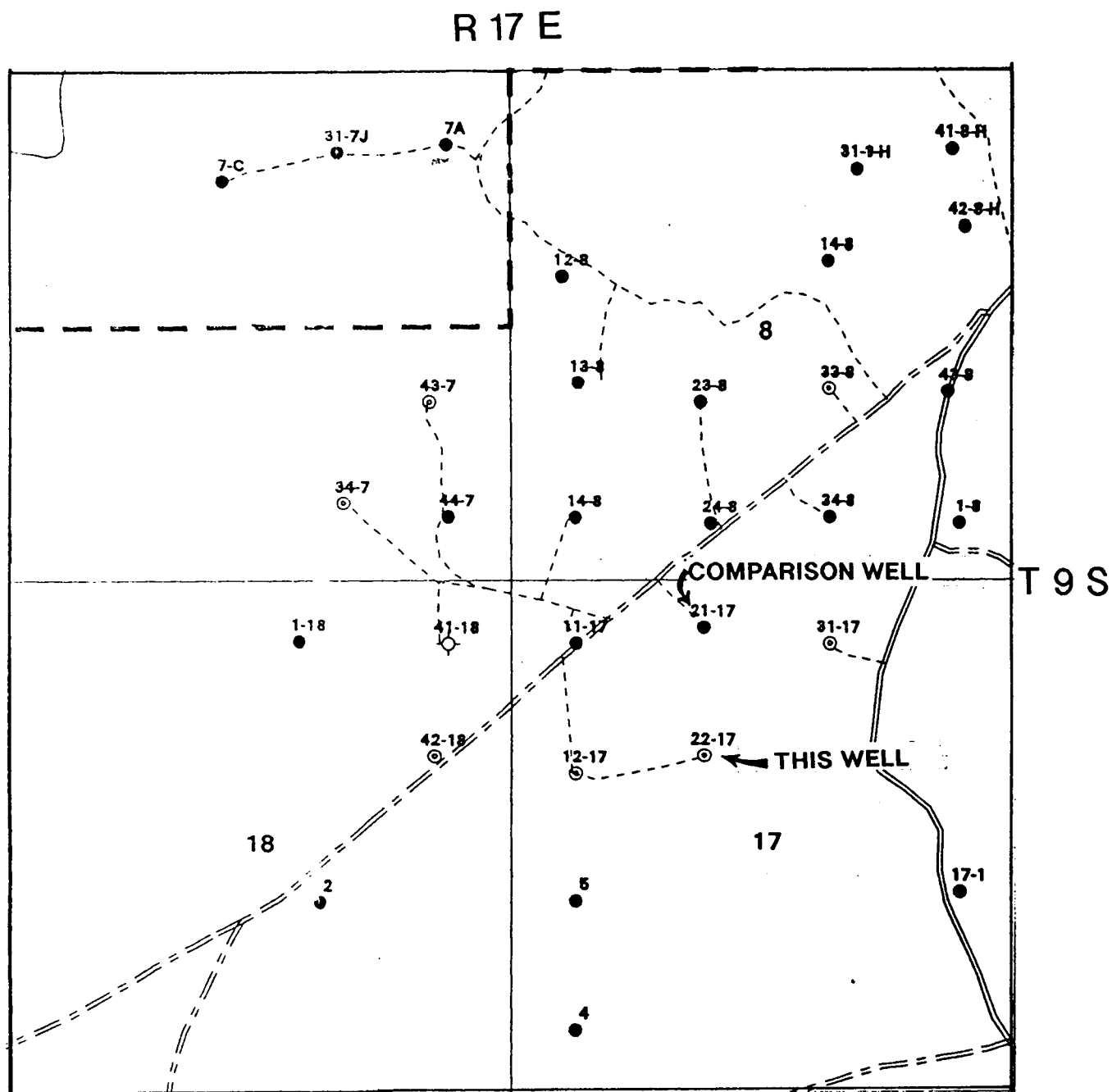
Balcron Oil
Monument Federal 22-17
SE NW Section 17-T9S-R17E
Duchesne County, Utah

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<u>Page</u>	<u>ITEM</u>
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2	General Statistics
2	Surface Casing
2	Production Casing
3	Dual Laterolog Formation Tops
4	Mud Log Shows and Potential Productive Zones
5	Penetration Chart
6	Surveys and Bit Record
7	Drilling Fluid Data
8	Daily Drilling History
10	Sample Descriptions
Insert	Drill Time-Litholog

by

Frank A. Radella
Certified Petroleum Geologist
AIPG AAPG



LOCATION MAP

PORTION OF MONUMENT BUTTE FIELD

DUCHESNE CO., UTAH

FRANK A. RADELLA, INC.
Oil & Gas Exploration & Consulting

1601 Lewis Avenue Suite E
Billings, Montana 59102
(406) 245-5375

<u>OPERATOR:</u>	Balcron Oil
<u>WELL NAME:</u>	Monument-Federal 22-17
<u>LOCATION:</u>	SE NW Section 17(1800' FNL x 1980' FWL) T9S-R17E
<u>COUNTY:</u>	Duchesne
<u>STATE:</u>	Utah
<u>ELEVATIONS:</u>	GL 5384 KB 5392
<u>SPUD DATE:</u>	5-20-94 @ 6:00 PM
<u>OUT FROM UNDER SURFACE CASING:</u>	5-22-94 @ 8:00 AM
<u>REACH T.D.:</u>	5-28-94 @ 4:30 PM
<u>RIG RELEASE:</u>	5-29-94 @ 5:00 PM
<u>DAYS SPUD THROUGH LOGGING.:</u>	9 <u>TO RIG RELEASE:</u> 10
<u>TOTAL DEPTH:</u>	5650' Driller and Logger
<u>HOLE SIZE:</u>	12 1/4" 0 -375' - 7 7/8" 375-5650'
<u>STATUS:</u>	To complete as an Oil Well
<u>PENETRATION:</u>	386 feet below the Carbonate Marker
<u>GEOLOGIST:</u>	Frank A. Radella - consultant
<u>DRILLING ENGINEER:</u>	Al Plunkett - consultant
<u>LOGGING PROGRAM:</u>	Schlumberger Unit 8358 Vernal, Utah Engineer - Jeff Gebhart Dual Laterolog Micro SFL-SP-GR 362-5648' Compensated Neutron Lithodensity 2500-5648'
<u>LOST CIRCULATION OR DRILLING PROBLEMS:</u>	None
<u>DRILL TIME LOGS:</u>	1400-4100' 2" = 100' Radella 3850-5650 5" = 100' Radella
<u>SAMPLE DISPOSAL:</u>	
<u>MUD LOGGING EQUIPMENT:</u>	Monaco 2 man Unit Hot Wire, chromatograph on @ 1400'. Loggers: Pete Waldon and Chris Jensen and Charlie Crocker.
<u>CORES:</u>	none
<u>DSTs:</u>	none
<u>SURFACE CASING:</u>	8 Jts 8 5/8" 24# J-55 casing set @ 365' RKB with 225 sx cement. See Drilling History for details.
<u>PRODUCTION CASING:</u>	129 Jts 5 1/2" 15.50#/Ft K-55 casing set @ 5627.32 RKB w/ 390 sx cement. See Drilling History for details.

Balcron Oil
Monument Butte Federal 22-17
SE NW Section 17-T9S-R17E
Duchesne County, Utah

K.B. 5392'

<u>DUAL INDUCTION LOG TOP</u>	<u>DEPTH</u>	<u>DATUM</u>	<u>position of 22-17 compared to 21-17 (1)</u>
Green River	1400	(+3992)	53' High
Horsebench Sandstone	2070	(+3322)	72' High
2nd Garden Gulch	3692	(+1700)	58' High
*Y-2 Sandstone	3970	(+1422)	59' High
Y-3 Sandstone	4030	(+1362)	51' High
Y-5 Sandstone	4249	(+1143')	-
Yellow Marker	4321	(+1071)	56' High
Douglas Creek	4484	(+908)	55' High
2nd Douglas Creek	4718	(+674)	56' High
Green Marker	4854	(+538)	58' High
G-3 Sandstone	4870	(+522)	-
Carbonate Marker	5314	(+78)	65' High
B-1 Sandstone	5360	(+32)	48' High
B-2 Sandstone	5397	(-5)	-
B-3 Sandstone	5519	(-127)	-

T.D. Driller 5650'
T.D. Logger 5650'

***apparent Pay Sands**

(1) Comparison Well: Balcron Oil 21-17
NE NW Section 17-T9S-R17E
Located +/- 1800' North of 22-17

MUD LOG SHOWS AND POTENTIAL PRODUCTION ZONES

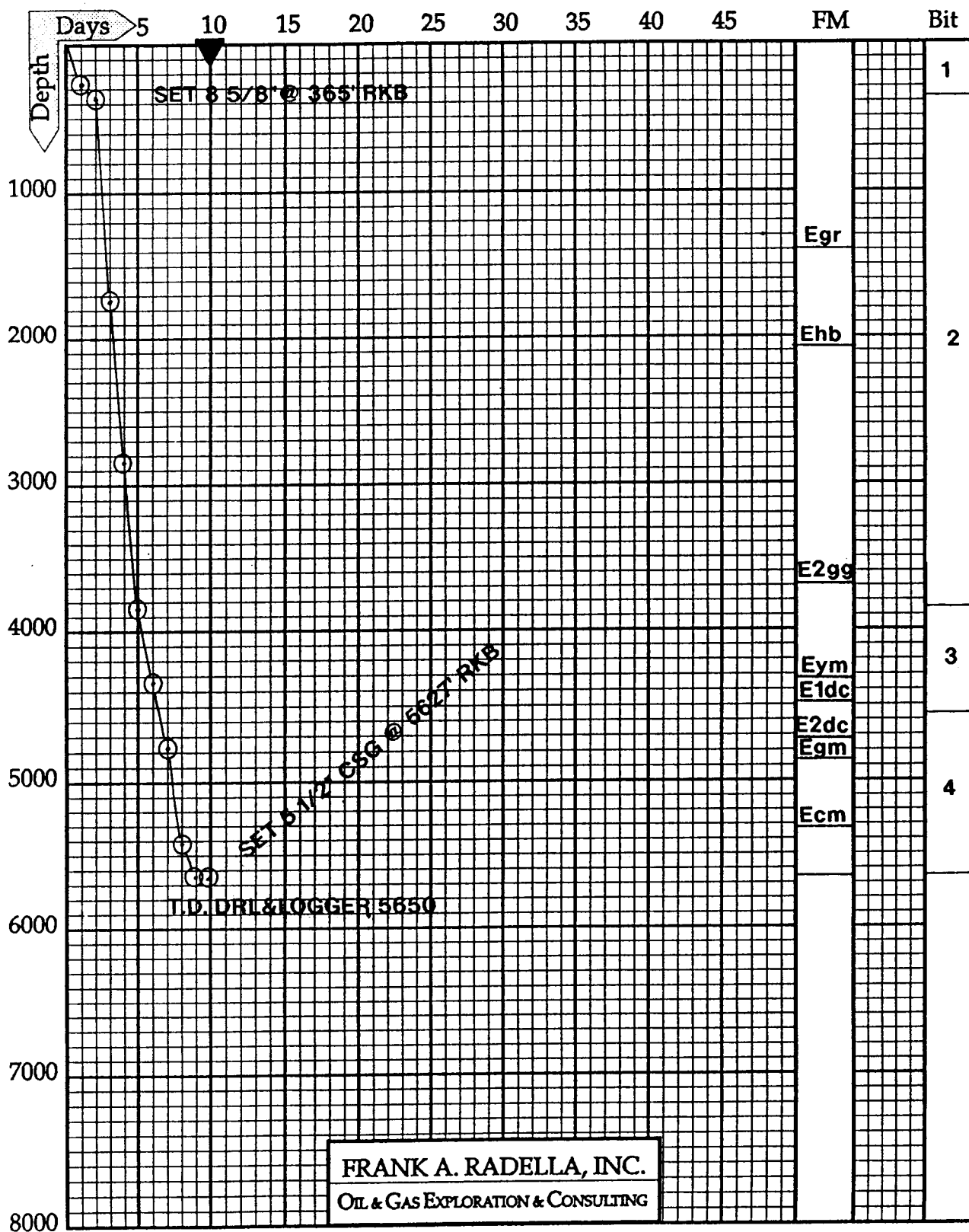
Balcron Oil
Monument Butte Federal 22-17
SE NW Section 17-T9S-R17E
Duchesne County, Utah

FM	Depth	Drill	Rate	mpf	Total Gas			Chromatograph ppm xk				Geologist Observations	Field Analysis Production Type & Potential	*Probable Productive by logs
		Before	During	After	Before	Peak	After	C1	C2	C3	C4			
Green River	1464	1	3/4	3/4	2	conn 500	10	.5	.18	-	-	SS - no por vis, no show	Poss Gas	
	2770-2790	1	1	1	15	700	100	5	.05	-	-	SS-wh, lt tan, loose gr, lt oil stn, wk slo strm ctpoor to fair show	Fair-Oil	
	2950-2965	2-2 1/2	2-2 1/2	2 1/2	10	320	100	30	tr	tr	tr	tr LS-no show; SS- poor vis show	Poss Gas	
Y-2 Sandstone	3980-3986	2 1/2	1 1/2	2	7	70	600	1	.3	.15	.1	SS-tan, m brn, mod amt oil specks, gd oil stn, fair strm cut	Good-Oil	*
Y-2 Sandstone	3988-3998	2	1	2	70	600	20	5	3.5	.2	.15	SS-as above, Higher gas	Good-Oil	*
Y-3 Sandstone	4038-4060	2 1/2	2	2 1/2	15	200	20	14	1.3	.7	.15	Thin beds SS-m brn, good oil stn, f-gd ct	Fair-Oil	
	4614-4624	2 1/2	2	2 1/2	10	60	15	4	.4	.2	.1	SS-lt brn, lt oil stn, slow fr blossom ct.	Fair-Oil	
B-1 Sandstone	5360-5378	2 1/2	1 1/2	2	50	350	60	30	3	2	.8	SS-f-m loose gr, light to mod oil stn, few oil beads, fr inst ct	Fair-Oil	

PENETRATION CHART

BALCRON OIL MONUMENT FED 22-17

Total Days 10 Logs 2/1 RUN
Total Bits 4 Rotating Hours 145 3/4



BIT RECORD

County Duchesne				Field Monument Butte				State Utah		Section SE NW 17		Township 9S		Range 17E		Location Monument-Federal				Well No. 22-17						
Contractor Union Drilling						Rig No. 17		Operator Balcron Oil						Toolpusher Dave Gray				Drillers G. Ferguson R. Ramussen				W. Satterfield C. Chapman				
Spud 5-20-94		Under Surf. 5-21-94		Under Intr.		Set Sand St		Reached TD 5-28-94		Pump No. 1 Gardner-Denver FXN		Liner 5 1/2" x 14		Pump No. 2 NA		Liner		Pump Power GMC-2		Type Mud Air-Mist 3856' KLCH2O T.D.						
Drill Pipe 16.60			Tool Joints		Size 4 1/2"		Type X-Hole		O.D.		Drill Collars 18		O.D. 6"		I.D.		Length 558'		Drawworks Power 343 CAT							
No.	Size	Make	Type	Jet 32nd in	Serial	Depth Out	Feet	Hours	Ft/Hr	Accum Dig Hrs.	Wt 1000 LBS	RPM	Vert Dev.	Pump Press	Pump Operation	SPM		Mud			Dull. Cond.				Formation Remarks	
																1	2	Wt.	Vis.	WL.	T	B	G	Other		
1	12 1/4	1R	Hammer	Open	2641357	375	375	15 3/4	23.8	15 3/4	4	60							Air						OK	
2	7 7/8"	SEC	S88CF	Open	636423	3856	3481	62 1/2	55.7	78 1/4	10/15	50/60		900			55		Air/Mist			2	2	I		
3	7 7/8"	SEC	M84F	3-12	634821	4556	700	25 3/4	27.2	104	43	60		900			55		8.4	26		2	8	I		
4	7 7/8"	HTC	ATJ44	3-12	M46WA	5650	1094	41 3/4	26.2	145 3/4	43	65		900			55		8.4	26		2	2	I		

DRILLING FLUID DATA

<u>Date</u>	<u>Depth</u>	<u>WT</u>	<u>VIS</u>	<u>PH</u>	<u>CHL</u>	<u>KCL%</u>	<u>Daily Cost</u>	<u>Cum Cost</u>
5-21-94	280	Drill with Air and Mist						
5-22-94	375	*8.3	26		5000	1		
5-23-94	1752	8.3	26		5000	1	\$ 200	\$ 200
5-24-94	2856	8.4	26		5200	1.1	275	475
5-25-94	3856	8.4	26		5500	1.2	350	825
5-26-94	4340	8.4	26	10.2	5500	1.1	300	1125
5-27-94	4785	8.4	26	10.4	5500	1.2	\$ 375	\$1700
Field Estimated Totals								\$1700

***Make up water**

Balcron Oil
Monument-Federal 22-17
SE NW Section 17-T9S-R17E
Duchesne County, Utah

Daily Drilling History

Data compiled from the records of Al Plunkett, drilling consultant, and tower sheets. The depth reported is at 6:00 AM followed by current activity, followed by the previous 24 hour's activity. the daily footage and rotating hours are followed by the total hours to date.

Day Date

1. 5-21-94 Depth 280'; Drilling 12 1/4" Surface hole:
Move in and rig up. Drill rat hole and conductor hole. Nipple up air bowl.
Drill surface hole. Spud @ 6:00 PM on 5-20-94.
Drilled 280' in 12 1/2 Rotating Hours.
2. 5-22-94 Depth 375'; Drilling in Uintah Formation:
Drilled to 375'. Trip out. Nipple down air bowl, ran 8 Jts (354.90') 8 5/8" 24# J-55 casing set @ 365' RKB. Had to circulate 15' down. Cemented by Western with 225 sx class "G" cement + 2% CaCL + 1/4# sk Floseal. Plug down 1:30 PM on 5-21-94. 4 bbl cement circulated. Nipple up, test BOP & manifold to 2000 psi - OK, test casing to 1500 psi - OK. Drill cement.
Drilled 95' in 3 1/4 RH. Cum RH 15 3/4.
3. 5-23-94 Depth 1752'; Drilling in Green River Formation:
Drill out from under surface casing @ 8:00 AM on 5-22-94 w/ 7 7/8" bit and air mist. Drill, survey (see surveys and bit data on Bit Record Sheet)
Drilled 1377' in 21 3/4 RH, Cumulative Rotating Hours (Cum RH) 37 1/2.
4. 5-24-94 Depth 2856'; Drilling in Green River Formation:
Drill and survey.
Drilled 1104' in 20 1/2 RH, Cum RH 58.
5. 5-25-94 Depth 3856'; Prepare to trip in Yellow Zone:
Drill, survey, circulate hole 1/2 hour for trip @ 3856'.
Drilled 1000' in 20 1/4 RH, Cum RH 78 1/4.
6. 5-26-94 Depth 4340'; Drilling in Green River-Yellow Zone:
Circulate, trip for Bit #2, repairs to water pump and fuel line. Drill, survey.
Drilled 484' in 17 3/4 RH, Cum RH 96.
7. 5-27-94 Depth 4785'; Drilling in Green River-Red Zone:
Drill, trip for Bit #3 @ 4556', reran to bottom, drill, survey.
Drilled 445' in 16 3/4 RH, Cum RH 112 3/4.

8. 5-28-94 Depth 5408'; Drilling in Green River-Green Zone:
Drill, survey.
Drilled 623' in 22 3/4 RH, Cum RH 135 1/2.
9. 5-29-94 Depth 5650'; Laying down drill pipe:
Drill, survey. Reach T.D. @ 5650' @ 4:30 PM on 5-28-94. Circulate for logs;
Trip out; 4 1/2 hrs. Log w/ Schlumberger. Ran 2 logs stacked in one run; 3 1/4
Trip in hole, start to lay down drill pipe.
Drilled 242' in 10 1/4 RH, Cum RH 145 3/4.
10. 5-30-94 Depth 5650'; Rig released:
2 hour finish laying down drill pipe and drill collars. change pipe rams, test
BOP to 2000 psi. Rig up casing crew and ran casing as follows:

guide shoe	.60	
1 Jt 5 1/2" 15.50#/Ft shoe Jt.	44.10	
float collar	1.00	
128 Jts 5 1/2: 15.50#/Ft K-55	<u>5572.62</u>	
	5618.32	
set at	5627.32	RKB
PBTD	5581.62	

Ran 20 centralizers, 13' flag Jt @ 4471' +/- . Cement by Western with
180 sx 50-50 pozmix. Plug down @ 1:00 PM on 5-29-94. Release rig @ 5:00
PM on 5-29-94.

Balcron Oil
Monument Butte 22-17
SE NW Section 17-T0S-R19E
Duchesne County, Utah

Sample Descriptions
by

Frank A. Radella

Samples were run wet for color, texture and Lithology, dry for porosity and both wet and dry for shows and fluorescence. Cutting agent was Trichlorothene. Geologist was on location from 1400' to T.D. and for logs. Descriptions are lagged to Induction log depths.

Shows of oil are underlined. Log tops are indicated below. Drill cuttings were extremely fine (rarely exceeding .50 mm.) but were of good quality unless noted otherwise.

A two man Monaco mud log unit with hot wire and chromatograph was utilized from 1400' to T.D. Mud Loggers caught lagged samples. The drilling fluid from 355' to 3856' was Air and Mist using KCL makeup water, from 3856' to T.D. the drill fluid was 1 to 1.5% KCL water.

Sand Grain Size Parameters

Silt	.004 - .062 mm
Very fine grained	.062 - .125 mm
Fine grained	.125 - .250 mm
Medium grained	.250 - .50 mm
Coarse grained	.50 - + mm

Sample Program

1350 - 3860'	50' samples
3860 - 5650' T.D.	10' samples

50' Samples

GREEN RIVER 1400' (+3992')

1350 - 1450	Sandstone: white, light gray, very fine to fine grained, sub angular, no porosity, no show; Shale: light gray, dark gray brown.
1450 - 1500	Shale: tan, medium brown, gray brown; Sandstone: light gray, trace salt and pepper, very fine to fine grained, fair sorting, no porosity, no show.

1500 - 1700	Shale: orange brown, dolomitic, pyritic, as above.
1700 - 1750	Limestone: light gray tan, micritic, siliceous, <u>medium brown oil stain on few chips, medium bright fluorescence, instant weak milky cut, poor show</u> ; Shale: as above.
1750 - 1800	Shale: pale orange tan, dolomitic, platy, trace micaceous.
1800 - 1850	Dolomite: light orange tan, microcrystalline to microsucrosic, argillaceous, no porosity, no show.
1850 - 2000	Shale: orange tan, dolomitic, firm.
2000 - 2050	Shale: medium brown, dolomitic, firm, as above.

HORSEBENCH SANDSTONE 2070' (+3322')

2050 - 2100	Sandstone: white, very fine grained, trace salt and pepper, no visible porosity, no show; Shale: light to medium brown, as above.
2100 - 2150	trace of Sandstone: as above; Shale: medium brown, dolomitic, waxy, <u>oil shale</u> .
2150 - 2200	Shale: medium brown, dolomitic, waxy, <u>oil shale</u> .
2200 - 2450	Shale: dark brown, dolomitic, pyritic, waxy, <u>oil shale</u> .
2450 - 2500	trace of Sandstone: white, fine grained, sub angular, loose broken quartz grains, trace black grains, trace few grain clusters, <u>brown oil stain coating some grains, pale fluorescence, instant weak streamer cut, poor show</u> .
2500 - 2550	Shale: medium brown, waxy, <u>oil shale</u> ; trace of Sandstone: as above.
2550 - 2600	Sandstone: tan, very fine to fine grained, sub angular, sub round, opaque to clear quartz grains, 90% loose grains, some broken, <u>light tan oil stain, pale fluorescence, slow weak streamer cut, poor show</u> .
2600 - 2650	Sandstone: as above; with trace of Shale: light brown, <u>oil shale</u> .
2650 - 2700	Sandstone: light gray, very fine grained, well cemented, no porosity, no show; Shale: light gray, silty, dolomitic, platy.
2700 - 2750	Shale: medium brown, dolomitic, platy.
2750 - 2800	Sandstone: white, light tan, very fine grained, well sorted, white dolomitic cement, no visible porosity, pyritic, <u>light tan oil stain, weak slow streamer cut, poor to fair show</u> .
2800 - 2850	Siltstone: white, dolomitic; trace of Sandstone: as above; Shale: medium to dark brown.
2850 - 2900	Shale: tan to light gray, dolomitic.

2900 - 2950	Shale: dark brown, dolomitic, waxy, <u>oil shale, few chips oil stained.</u>
2950 - 3000	trace of Limestone: white cream, fine pelletal, fine round to oblong pellets, no porosity; Sandstone: white, trace very light tan, very fine to fine grained, trace salt and pepper, fair to good sorting, white slight dolomitic cement, no visible porosity in few grain clusters, <u>slight tan stain in minor part, very pale fluorescence wet</u> , no fluorescence dry, <u>slow pale milky cut, poor show.</u>
3000 - 3050	Sandstone: as above decrease; increase in Shale: pale gray, non calcareous.
3050 - 3100	Shale: rich brown, dolomitic, pyritic, <u>oil shale</u> ; trace of Limestone: micritic, blocky.
3100 - 3200	Limestone: white, micritic, trace very fine sandy, blocky, no porosity, no show; Shale: brown, as above predominates; Shale: light gray; trace of Pyrite nodules.
3200 - 3250	trace of Shale: pale green-gray, light gray, as above; Limestone: white, as above; trace of Shale: brown.
3250 - 3400	Dolomite: cream, microcrystalline, mottled white in part, few gray grains, trace very fine sandy, no visible porosity, no show; Shale: light gray to green gray, pyritic.
3400 - 3450	Sandstone: white to light gray, very fine grained, pyritic, no porosity, no show; Shale: light gray; Dolomite: cream, microcrystalline, limey in part, no porosity, no show.
3450 - 3550	Shale: rich to medium brown to light gray, waxy, <u>oil shale.</u>
3550 - 3600	trace of Sandstone: white, very fine grained, to light gray, argillaceous, siliceous cement, no porosity, no show; Shale: as above.
3600 - 3650	Shale: tan, light brown, light gray, dolomitic, platy, trace pyritic.
3650 - 3700	Shale: as above; trace of Sandstone: white, very fine grained, well cemented, no porosity, no show.

2nd GARDEN GULCH 3692' (+1700')

3700 - 3750	Sandstone: light gray, rare dark gray grains, very fine to fine grained, trace pyritic, calcareous cement, split grains, no visible porosity, no show; trace of Dolomite: light tan, micritic, siliceous, platy; Shale: as above.
3750 - 3800	Siltstone: light to medium gray, argillaceous, platy; Sandstone: white, very fine grained, well sorted, split grains, no visible porosity, <u>rare chip bleeding dark brown oil.</u>
3800 - 3856	Sandstone: white, light gray, very fine to fine grained, calcareous cement, no porosity, no show; Shale: pale green gray; trace of Siltstone: as above.

Trip for Bit #2 @ 3856'. SLM no correction.

Convert Air Mist to KCL water drilling fluid.

10' Samples

- 3856 - 3870 Sandstone: light tan, very fine to fine grained, sub angular, fair sorting, abundant loose grains, few tight clusters with white noncalcareous cement, light tan oil stain, pale fluorescence, very weak milky cut, poor show.
- 3870 - 3880 Sandstone: light gray, very fine grained; grading to Siltstone: light gray, noncalcareous; trace of Shale: tan.
- 3880 - 3900 Shale and Siltstone: light gray as above; trace Shale: deep brown, waxy, oil shale.
- 3900 - 3930 trace of Shale: light green, noncalcareous, platy; Shale: rich brown as above, trace silty, oil shale; Shale and Siltstone: light gray as above.
- 3930 - 3940 Shale: rich brown, as above; increase in Shale: light green, as above.
- 3940 - 3960 Siltstone: pale green-gray, argillaceous, calcareous, no porosity, no show; Sandstone: light gray, very fine grained, well sorted, well cemented; Pyrite.
- 3960 - 3980 Sandstone: tan, very fine grained, subangular, few gray grains, no visible porosity, white calcareous cement, light brown oil stain with few specks of live oil on surface, instant fair streamer cut, fair show.

Y-2 SANDSTONE 3970' (+1422')

- 3980 - 3990 Sandstone: tan to medium brown, very fine to fine grained, subangular to subround, poor with trace fair visible porosity, moderately friable, moderate amount dark brown oil specks in wet sample, tan to medium brown good oil stain in dry sample, pale green gold fluorescence, instant fair streamer cut, moderate amount loose grains. 40% of sample with medium brown stain, 40% light tan stain, 20% white with calcareous cement, no show.
- 3990 - 4000 Sandstone: as above, slightly less darker brown stain, increase in light tan stain, instant fair streamer cut as above.
- 4000 - 4010 Sandstone: as above, with show as above; Shale: light gray, silty.
- 4010 - 4020 Shale: light gray; Siltstone: light gray, argillaceous, abundant oolites, tan to light gray, fine, round, calcareous, loose grains.
- 4020 - 4030 no sample - changed shaker screen.

Y-3 SANDSTONE 4030' (+1362')

- 4030 - 4040 Siltstone: light gray, as above, very fine sandy; 10% Sandstone: medium brown, very fine grained, moderately friable, poor visible porosity, pale fluorescence, good oil stain, instant fair to good streamer cut, good show; Sandstone: white, very fine grained, no porosity, no show.

4040 - 4050	increase in Sandstone to 30%: medium brown, very fine grained, well sorted, subangular, poor to fair porosity, <u>medium brown oil stain with numerous specks of dark brown oil, instant fair to good streamer cut, pale green gold fluorescence</u> ; Sandstone: light gray, very fine grained, white calcareous cement, siliceous in part, no porosity, no stain, few chips with <u>medium bright green gold fluorescence, fair milky cut</u> ; 50% Sandstone: light gray, very fine grained, no porosity, no show.
4050 - 4060	20% Sandstone: light gray to tan, very fine to fine grained, no visible porosity, <u>numerous specks of asphaltic residue, good instant streamer cut from residue</u> ; Siltstone: light gray, argillaceous predominate.
4060 - 4080	Shale: medium brown, waxy, <u>oil shale</u> ; Shale: light gray; trace of Limestone: white, micritic, platy.
4080 - 4100	Shale: light gray; Sandstone: white, very fine grained, trace salt and pepper, argillaceous in part, no porosity, no show; trace of Shale: medium brown, as above.
4100 - 4110	Sandstone: light gray, very fine grained, trace micaceous, siliceous, no porosity, no show; interbedded Shale: light gray, silty, sandy, dolomitic.
4110 - 4120	Shale: as above; with increase in Sandstone: light gray, very fine grained, silty, pyritic; few loose ostracods, tan, calcareous.
4120 - 4140	Sandstone and Shale: as above; with Limestone: brown, micritic, siliceous, platy.
4140 - 4160	Shale: dark gray, brown, light gray, platy; trace of Limestone: brown, as above.
4160 - 4180	Shale: dark brown, dolomitic, <u>oil shale</u> ; Sandstone: white, light gray, very fine grained, siliceous, platy; trace of Limestone: brown, as above.
4180 - 4210	Shale: dark brown, dolomitic as above, <u>oil shale</u> with trace as above.
4210 - 4230	Shale: light gray, trace silty, calcareous, platy; trace of Sandstone: white, light gray, very fine grained, argillaceous, platy; trace of Limestone: white, cream, microcrystalline.
4230 - 4240	Sandstone: light gray, very fine grained, silty, dolomitic cement, argillaceous, no porosity, no show; trace of Shale: as above.
4240 - 4250	Sandstone: white, light gray, very fine to fine trace medium grains, poorly sorted, few loose medium angular milky quartz grains, no porosity, no show.
4250 - 4270	Sandstone: white, very fine to fine grained, white calcareous cement, no porosity, no show; trace of Shale: light gray, as above.
4270 - 4280	Shale: dark brown, light gray; Sandstone: white, very fine grained, well sorted, calcareous cement, no visible porosity, <u>few spots of dark brown oil stain</u> , no fluorescence, <u>trace very weak cut</u> .

- 4280 - 4290 Sandstone: as above with no show.
- 4290 - 4300 Sandstone: as above; with Shale: medium gray, silty, platy.
- 4300 - 4320 Shale: medium gray, gray brown, dolomitic, dark brown.

YELLOW MARKER 4321' (+1071')

- 4320 - 4330 Sandstone: light gray, trace light tan, very fine to fine grained, white dolomitic cement, no visible porosity, fair amount loose grains some broken, few chips with medium brown oil stain, very weak cut, poor show; Shale: brown, silty.
- 4330 - 4340 Sandstone: light gray, very fine grained, quartzitic, dolomitic, few gray grains, no porosity, sharp; trace of Limestone: white, chalky, argillaceous; Shale: gray, platy.
- 4340 - 4350 Shale: light gray, silty, dolomitic, platy; Sandstone: as above, no show.
- 4350 - 4360 Sandstone: white, very fine grained, quartzitic, slightly argillaceous, pyritic, no porosity, no show; trace of Limestone: cream, fine fragmental, ostracodal, few pinpoints dark brown oil, poor show.
- 4360 - 4370 Sandstone: as above; with Shale: light gray, trace dark brown.
- 4370 - 4380 Shale: light gray, silty, dolomitic, platy; Siltstone: light gray, argillaceous.
- 4380 - 4400 Sandstone: white, light gray, very fine grained, silty, no porosity, no show; Shale: gray as above; trace of Limestone: white, amorphous.
- 4400 - 4410 Sandstone: white, very fine grained, white calcareous cement, pyritic, no porosity, no show; Shale: light gray as above.
- 4410 - 4420 Sandstone and Shale: as above; trace of Shale: rich brown, oil shale.
- 4420 - 4440 Shale: light gray, silty in part to Siltstone: argillaceous.
- 4440 - 4450 Sandstone: white, light gray, very fine grained, subangular, few gray to black grains, no visible porosity, few specks of black residue, weak milky cut, poor show.
- 4450 - 4480 Siltstone: light gray, argillaceous; with Shale: light gray; trace of Limestone: white, micritic, blocky.

DOUGLAS CREEK 4484' (+908')

- 4480 - 4490 Shale: dark brown, dolomitic, waxy, oil shale.
- 4490 - 4500 Shale: dark to medium brown, as above, bleeding oil in few chips; trace of Shale: pale green gray.

- 4500 - 4530 interbedded Sandstone: light gray to white, very fine grained, no porosity, no show; with Shale: light gray, silty in part, platy.
- 4530 - 4540 Shale: light gray tan, silty in part.
- 4540 - 4550 Shale: medium gray brown, platy; Sandstone: white, very fine grained, no porosity, no show.
- 4550 - 4558 Siltstone: light gray; grading to Sandstone: light gray, very fine grained.
- Trip for Bit.**
- 4558 - 4570 Sandstone: white, light gray, very fine to fine grained, fair sorting, quartzitic in part, white calcareous cement in part, no porosity, no show; Shale: medium gray, silty, platy; trace of Limestone: dark brown, ostracodal.
- 4570 - 4580 Sandstone: white as above, no porosity, no show; increase in Shale: light gray as above.
- 4580 - 4590 Shale: dark brown; Shale: light gray, as above.
- 4590 - 4600 Siltstone: light gray, argillaceous, platy; Shale: light gray, silty in part; Sandstone: white, light gray, trace salt and pepper, very fine grained, no porosity, no show; Shale: as above.
- 4600 - 4620 Sandstone: light brown wet, light tan dry, very fine grained, subangular quartz, well sorted, dolomitic cement, no visible porosity, light oil stain, very pale fluorescence, slow weak blossom cut, poor show; Shale: light gray.
- 4620 - 4630 Shale: light gray to light green gray, dolomitic, platy; Sandstone: as above; with weak blossom cut, poor show.
- 4630 - 4670 Shale: as above; with Sandstone: white, very fine grained, trace salt and pepper, no porosity, no show; Siltstone: light gray, argillaceous, platy.
- 4670 - 4700 as above; with Sandstone: white, very fine grained, silty, no porosity, no show.
- 4700 - 4710 Shale: medium to dark brown, dolomitic, platy, oil shale.
- 4710 - 4720 Shale: light to dark brown, as above.

2nd DOUGLAS CREEK 4718' (+674')

- 4720 - 4750 Shale: light gray, silty in part; decrease in Shale: brown, as above; trace of Sandstone: white, very fine grained, platy.
- 4750 - 4760 Sandstone: white, light gray, very fine to fine trace medium grains, poorly sorted, white calcareous cement, no porosity, no show; trace of Shale: medium brown, light gray.
- 4760 - 4790 Shale: light gray, silty, noncalcareous, platy; trace of Sandstone: as above, argillaceous, no porosity, no show.

4790 - 4800 Sandstone: white, light gray, very fine to fine grained, fair to good sorting, white calcareous cement, no porosity, no show.

4800 - 4810 Shale: pale orange brown, waxy, blocky; Shale: gray, as above; trace of Sandstone: as above.

4810 - 4830 Shale: gray and medium brown.

GREEN MARKER 4854' (+538')

4830 - 4860 Shale: dark brown, dark gray brown, dolomitic, slow weak streamer cut, oil shale.

4860 - 4870 Shale: light gray, non calcareous, smooth texture, platy; trace of Shale: light brown, dolomitic, oil shale.

G-3 SANDSTONE 4870' (+522')

4870 - 4880 Sandstone: medium brown, very fine to fine grained, fair to good sorting, dolomitic cement, no visible porosity, good brown oil stain, slow fair streamer cut, fair show.

4880 - 4890 Sandstone: light brown, very fine to fine grained, as above, decrease in oil stain to light brown to tan, no visible porosity, slow fair blossom cut; Shale: medium brown, dolomitic, oil shale.

4890 - 4900 Shale: light gray, noncalcareous, platy; trace of Shale: brown, as above.

4900 - 4910 Sandstone: light gray, trace light tan, very fine to fine grained, silty, poorly sorted, no porosity, trace light oil stain, very weak cut, poor show.

4910 - 4920 Change shaker screen. No sample.

4920 - 4930 Shale: light gray, trace silty; Sandstone: light gray, very fine grained, argillaceous, platy, no show.

4930 - 4940 Sandstone: white, very fine grained, quartzitic in part, glassey, no porosity, no show; Sandstone: white, light tan, very fine to fine grained, fair to good sorting, very light oil stain, no visible porosity, slow poor to fair blossom cut.

4940 - 4960 Shale: light gray, trace silty, platy.

4960 - 4990 Shale: as above; Sandstone: light gray, very fine to fine grained, no porosity, no show; trace Shale: medium brown, oil shale.

4990 - 5010 Sandstone: white, very fine to fine grained, subangular, well sorted, white dolomitic cement, no porosity, no show.

5010 - 5030 Shale: light gray to deep brown, oil shale; Sandstone: white, as above.

- 5030 - 5050 Shale: light gray, smooth texture, dolomitic, platy, weak milky cut; trace of Shale: light brown, as above.
- 5050 - 5060 Sandstone: white, light gray, very fine to fine, trace medium grains, subangular, poorly sorted, white calcareous cement, no porosity, no show; Shale: medium brown.
- 5060 - 5080 Shale: medium brown, dolomitic, waxy, few blobs of heavy black oil on scattered chips, oil shale; Sandstone: white, light gray, as above, no show; Pyrite.
- 5080 - 5100 Shale: light gray, trace silty, noncalcareous, platy; trace of Shale: medium brown, as above.
- 5100 - 5140 Shale: dark brown to black, carbonaceous, trace silty, pyritic, sub platy, slow strong milky cut, oil shale, good source rock.
- 5140 - 5150 Shale: as above; trace of Sandstone: light gray, very fine to fine, argillaceous, calcareous cement, no porosity, no show.
- 5150 - 5170 Sandstone: light gray to light tan, fine to very fine grained, fair sorting, calcareous cement, no visible porosity, argillaceous in part, slight oil stain in light tan chips with very pale fluorescence, trace very weak streamer cut, poor show; trace of Shale: brown, as above.
- 5170 - 5180 Sandstone: light gray, very fine to fine grained, few shale partings, argillaceous, no porosity, trace show, as above; Shale: medium brown, tan.
- 5180 - 5190 Shale: orange-brown, dolomitic, waxy, oil shale; with Sandstone: light gray, argillaceous; and Shale: light gray, platy; trace of Shale: black, carbonaceous, bleeding dark brown oil in few spots.
- 5190 - 5210 Shale: dark brown, medium brown, waxy, oil shale; with trace of Sandstone: light gray, very fine grained, argillaceous, calcareous, no porosity, no show.
- 5210 - 5300 Shale: dark brown to brown black, trace silty, micaceous and pyritic, waxy, carbonaceous, occasional spot bleeding oil, good source rock.
- 5300 - 5310 Shale: as above; trace of Limestone: gray brown, micritic, platy; Shale: tan, mushy.

CARBONATE MARKER 5314' (+78')

- 5310 - 5330 Shale: dark brown, as above; with Sandstone: white, very fine grained, no porosity, no show.
- 5330 - 5340 Siltstone: light gray, argillaceous, calcareous.
- 5340 - 5350 Sandstone: light gray, very fine to fine, trace medium gray, subangular, poorly sorted, white calcareous cement, no porosity, no show; with Siltstone: as above; Shale: light gray.

5350 - 5360 Shale: light gray, as above; trace of Siltstone and Shale: as above, few blobs of dark brown oil on random chips.

B-1 SANDSTONE 5360' (+32')

5360 - 5380 Sandstone: tan to light brown, fine to medium, sub angular to sub round, clear to opaque quartz grains, mostly loose grains, some split, rare tight cluster, all grains light to moderately oil stained, few blobs of dark brown oil, light blue green fluorescence, micaceous, fair instant streamer cut, may be flushed.

5380 - 5390 Shale: dark brown to black, trace light gray, few loose quartz grains from above.

5390 - 5400 Sandstone: white, very fine to fine trace medium grains, calcareous cement, poor sorting, no porosity, no show.

5400 - 5410 Shale: light gray, platy, smooth texture.

5410 - 5420 Shale: dark brown, light gray, platy; Siltstone: light gray; Sandstone: white, light gray, very fine grained, argillaceous, few loose medium grains, no show apparent.

B-3 SANDSTONE 5519' (-127')

5420 - 5430 Sandstone: white, light gray, very fine to fine grained, white calcareous cement, pyritic, trace salt and pepper, poorly sorted, no visible porosity, few chips light tan, with very light oil stain, very weak milky cut, poor show.

5430 - 5440 Shale: light, medium and dark brown, dolomitic, waxy, oil shale; trace of Siltstone; light gray.

5440 - 5450 as above; Shale; grades to black, very carbonaceous, with few blobs of black heavy oil on random chips.

5450 - 5470 Shale: light gray, silty; grades to Siltstone: light gray with pale green cast, argillaceous, dolomitic, blocky; trace of Sandstone: white, very fine grained, no porosity, no show.

5470 - 5480 Sandstone: white, very fine grained, rare orange grains, silty, calcareous cement, no porosity, no show; Siltstone: light gray, as above.

5480 - 5490 Sandstone: white, very fine to medium grained, sub angular, poorly sorted, no porosity, no show; Shale: light gray.

5490 - 5500 Shale: dark brown, silty, pyritic; Shale: medium orange brown, trace silty, waxy; trace of Sandstone: as above, no show.

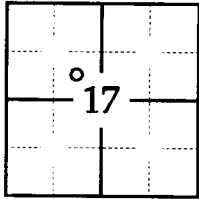
5500 - 5520 Shale: dark gray-brown, platy.

5520 - 5530 Sandstone: fine to medium grained, loose grains, sub angular, clear quartz, some split grains, no visible oil stain.

5530 - 5540	Sandstone: as above; Shale: light gray, silty, very fine sandy; trace of Shale: pale green, silty, sandy, calcareous; trace of Pyrite.
5540 - 5550	Shale: medium brown, waxy, <u>oil shale</u> ; Sandstone: light gray, very fine to medium grained, poorly sorted, trace salt and pepper, no porosity, no show.
5550 - 5560	Shale: light gray, silty; Shale: dark brown black to black, very carbonaceous, silty, pyritic, <u>oil shale</u> .
5560 - 5570	Sandstone: loose fine to medium, angular quartz grains, few tight clusters, no porosity, no show; Shale: black, as above, with <u>trace of bleeding oil</u> , slightly dolomitic; trace of Limestone: tan, pelletal, <u>bleeding oil</u> .
5570 - 5610	Shale: light gray, silty in part; Sandstone: white, very fine grained, no porosity, no show, trace light medium brown, waxy, <u>oil shale</u> .
5610 - 5630	Shale: light gray, medium brown, trace black; trace of Sandstone: as above, poorly sorted, trace salt and pepper, no porosity, no show.
5630 - 5640	Shale: black, silty, carbonaceous, pyritic, <u>oil shale</u> , platy.
5640 - 5650	Shale: as above; Sandstone: white, very fine to fine grained, trace salt and pepper, white calcareous matrix, no porosity, no show; trace of Limestone: white, chalky, argillaceous, platy.

T.D. Driller 5650'
T.D. Logger 5650'

DRILL TIME LOG



Balcron Oil Co.
Monument Federal 22-17
SE NW Sec 17-T9S-R17E
Duchesne Co. Utah

ELEVATIONS: GL 5384 KB 5392

SPUD: 5-20-94 6:00 PM

OUT FROM UNDER SURF.CSG.: 5-22-94 8:00 PM

DATE DRLG.COMP.: 5-28-94 4:30 PM

DATE WELL COMPLETED: 5-29-94 5:00 PM

STATUS: To Complete as Oil Well

SURF.CSG.: 8 5/8" @ 365' RKB w/ 225 sx.

PRODUCTION CSG.: 5 1/2" @ 5627' RKB w/390 sx.

CORES: None

DRILL STEM TESTS: None

CONTRACTOR: Union Drilling

RIG: #17

MAST: Pulls Doubles

POWER:

PUMPS: Gard- Den FXN 5 1/2" X 14"

DRILL PIPE: 4 1/2" X Hole

COLLARS: 18 (558') 6" OD X 2 3/8" ID

MUD SYSTEM: Air Mist to 3856, KCLH₂O to T.D.

TOTAL BITS: 4

TOTAL DAYS TO LOG POINT: 9 TO COMPL.: 10

T.D. DRILLER: 5650' LOGGER: 5650'

PENETRATION: 336' Below the Carbonate Marker

FRANK A. RADELLA, INC.

Oil & Gas Exploration & Consulting
1610 Lewis Suite 202E
Billings, Montana 59102

FRANK A. RADELLA
Ofc. 406-245-5375

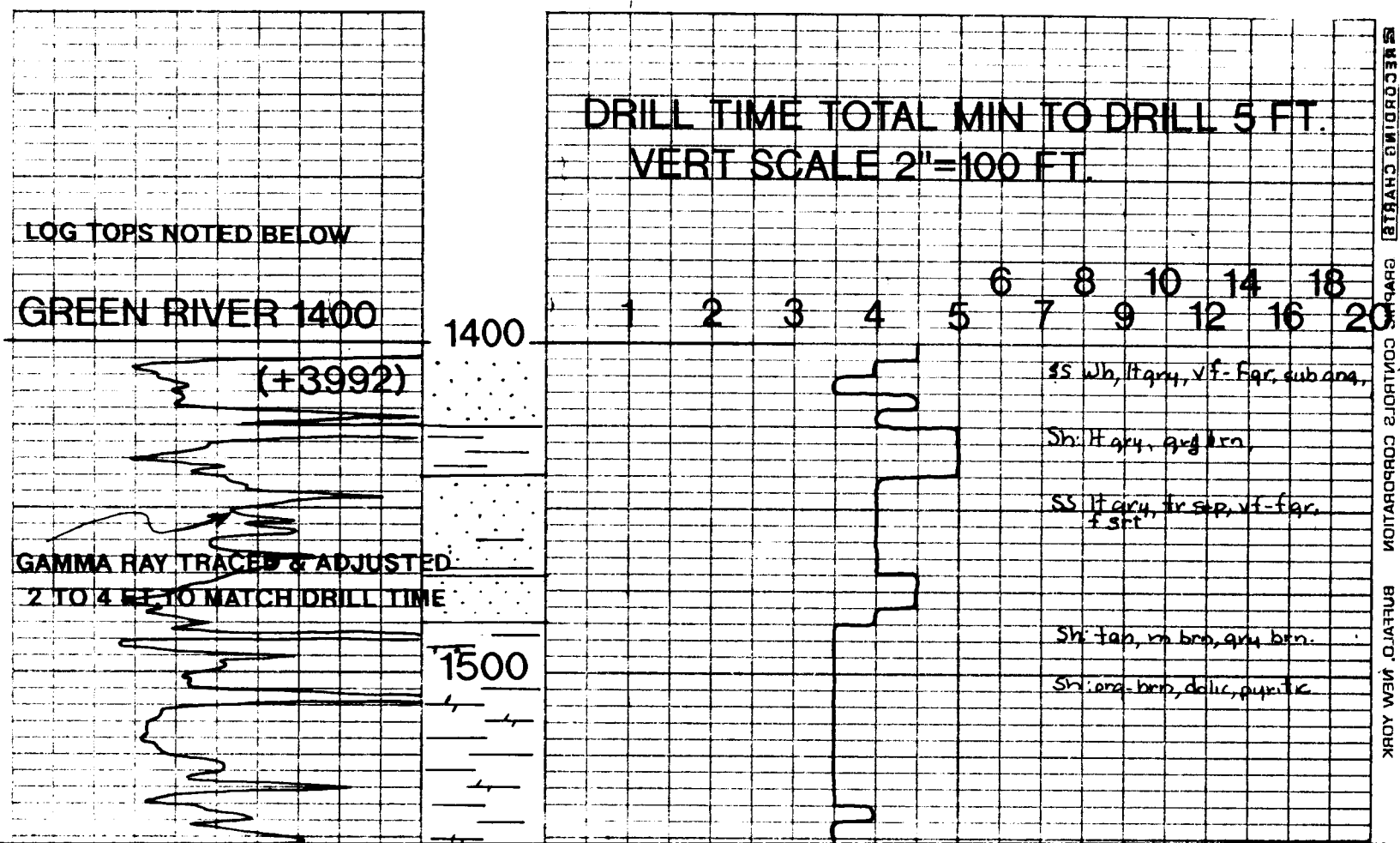
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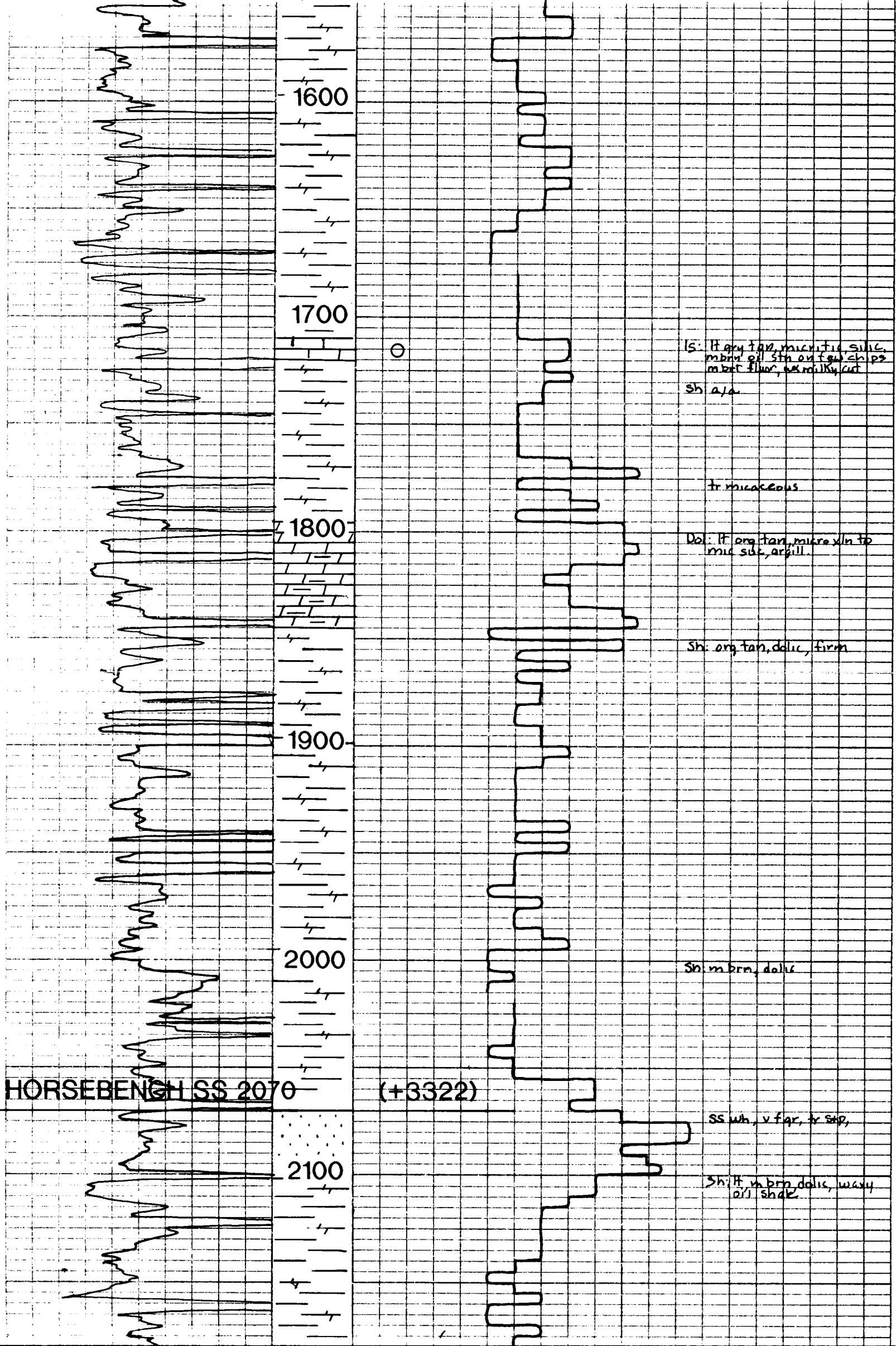
Legend

	SHALE		LIMESTONE		ARGILLACEOUS
	SILTSTONE		DOLOMITE		SILTY
	SANDSTONE		ANHYDRITE		SANDY
	CONGLOMERATE		GYPSUM		CALCAREOUS
	COAL		SALT		DOLOMITIC
	CHERT		OOLITIC		ANHYDRITIC
			PELLETAL		GYPSIFEROUS
					LOOSE SAND GRAINS
					GLAUCONITIC
					MICACEOUS

LOGGED BY GEOLOGIST: Frank A. Radella

POROSITY
SHOWS
 POOR
 FAIR
 GOOD
 | CONTINUED
 F FRACTURED
 D DEAD OIL





Sh: dk brn, dolk, waxy, oil shale.

Sh: m brn waxy, oil sh

SS tan, v f - f gr sub and sub rd, approx to dr grs gr. 90% loose gr, broken gr, it tan oil sh, pale fluv glw wk strn cut, poor show

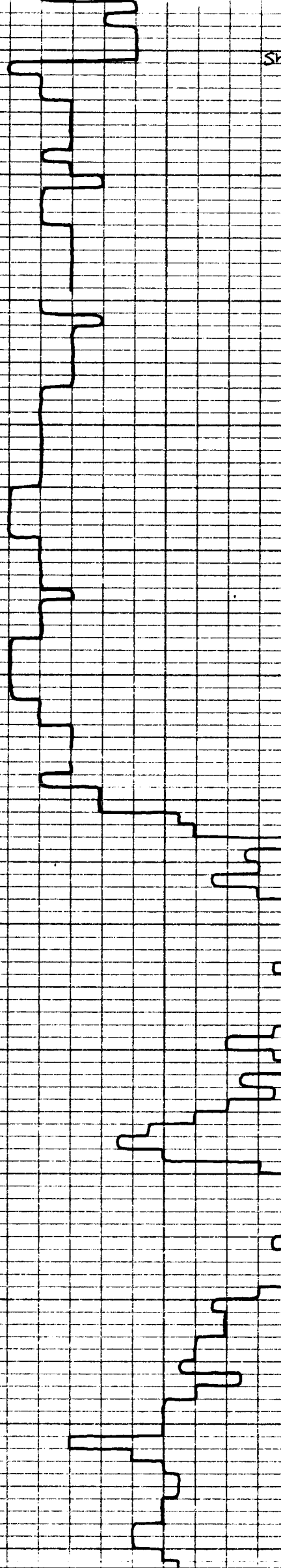
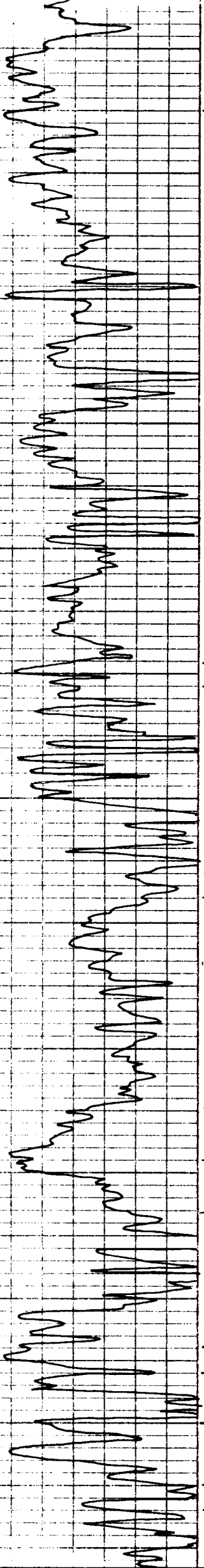
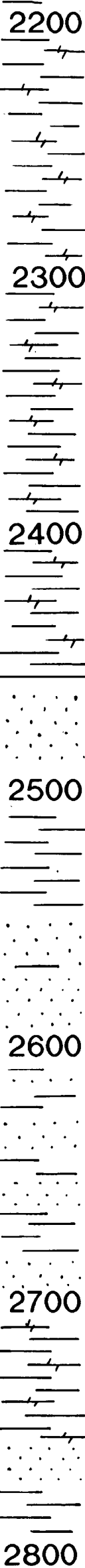
w/ shale, lt brn, oil sh

SS lt gr, v f gr, well cement, no par, no show

Sh: lt gr, silty, dolk, pthy.

Sh: m brn dolk, pthy.

SS wh, lt tan, v f gr, well sort, wh dolk, cement, no vis bar purk, lt tan oil sh, glw, slow strn cut, poor show



○

○

Sh: brn, waxy, calc, w/ sh: m-dk brn

Sh: tan to f. gry, calc

Sh: dk brn, calc, waxy, oil sh, few chips oil stained.

ls: wh, crm, fine pelletal, no por, no show

ss: wh, tr vlt tan, v f-frag, tr sep, f-act, wh sil, calc, com, sil, tan oil stn in minor part, v pale fluor, wet, no fluor, dry, slow, pale milky, cut, poor sh, w/ sh: pale gray, non calc

Sh: pale gry, non calc

ls: wh, micritic, blocky, sh: rich brn, calc, pyritic, oil sh

Sh: brn, gry

ls: wh, micritic, tr v f, sandy, blisy, tr pyritic

Sh: pale grn-gry, f. gr, brn

ls: wh, a/a

Dol: crm, micro xln, molt wh in part, tr gry, inclus, tr v f sandy

w/ sh: drn-gry, pyritic

Dol: a/a, w/ sh: a/a

ss: wh, f. gry, v f. frag, pyritic, no por, no show

Dol: crm, micro xln, limy in part

2900

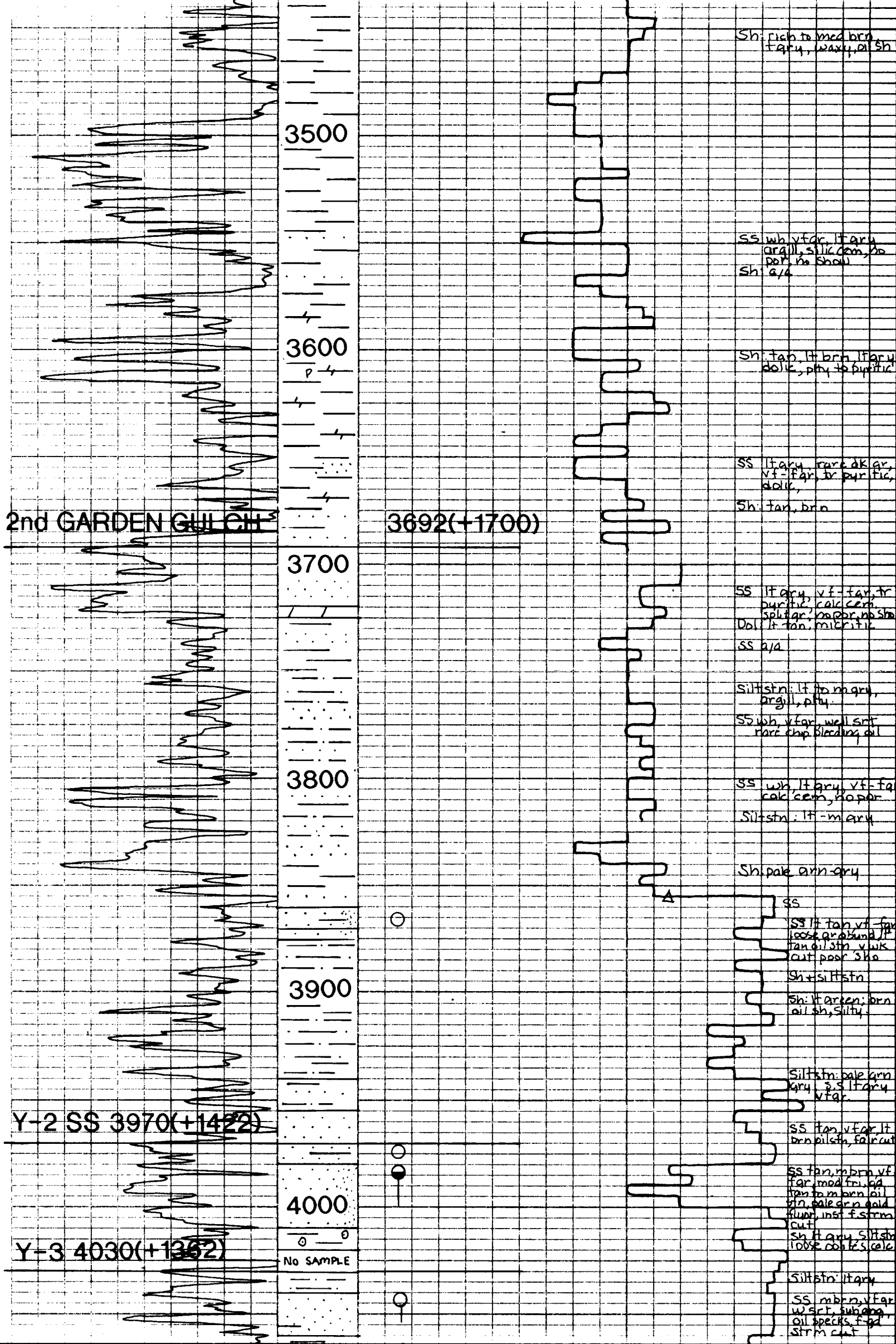
3000

3100

3200

3300

3400



2nd GARDEN GULCH

3692(+1700)

Y-2 SS 3970(+1422)

Y-3 4030(+1362)

No SAMPLE

Sh: m brn, waxy
oil sh
SS wh v far
Sh + SS, a/a

4100

VERT SCALE CHANGE

DRILL TIME TOTAL MIN TO DRILL 2 FT.
VERT SCALE 5"=100 FT.

1 2 3 4 5 6 7 8 9 10 12 14 16 18 20

50

3900

50

Y-2 SS 3970(+1422)

4000

SS lt tan, v f far, sub ang, f srt
abund loose gr, few tight clust
wh calc cem, lt tan oil stn, pale
fluor, v waxy, milt cut

SS lt gray, v f gr, grades to

Silt stn: lt gray, non calc, w/
Sh: tan

Sh: deep brn, waxy, oil sh

tr Sh: lt green, non calc, platy
Sh: brn a/a, fr silty

Silt stn: lt gray, a/a w/ Sh: lt
gray

Sh + Silt stn a/a

Silt stn: lt gray, gray, abn calc
SS lt gray, v f gr, w srt, w cem
pyrite

SS lt gray a/a

SS tan, v far, sub ang, few gr
gr, wh calc cem, nd us por
lt brn oil stn w few specks
live oil on surf of chip, inst
f srt cut

SS tan to med brn, v f far
sub ang, sub rd, poor tr, fair
dpr, mod fri, mod amt dk brn
oil specks in wet samp, tan to
m brn good oil stn, pale tan to
gold fluc, inst fair srt cut
mod amt loose gr

SS a/a, ind in lt tan oil stn dec
in brn stn, inst fair srt cut

SS a/a w/ wh, calc cem, no sh

Sh: lt gray, silty, Silt stn:
abund loose tan to lt gray
oolite s, fine, rd, concentric

Y-3 SS 4030(1362)

No
SAMPLE

50

4100

50

4200

Y-5 SS 4249(1143)

50

Silt stn. lt gr, v f sandy

SS mbrn, v fgr, med fr, poor
ls par, pale fluv, inst fgd
strm cut w/ mbrn oil stn
numerous speck dk brn oil
pale grn gold fluv, inst fgd
strm cut
w/ s.s. lt gr, v fgr, wh calc
cem, silic, in prt, no par, few
chips w/ med brt on gold fluv
fair milky cut;

Sh: m brn, waxy, oil sh
w/ sh: lt gr.

ls: wh, micritic, pthy.
sh: m brn a/a

SS wh, v fgr, tr ssp, argill
prt, no par, no show

int br sh + SS a/a

SS lt gr, v fgr, tr mica
silic, int br w/ sh: lt gr
silty, sandy, calc

SS lt gr, a/a pyritic

Sh: lt gr

ls: brn, micritic, silic, pthy.
sh: dk brn, lt gr, pthy.

SS wh, lt gr, v fgr, silic, pthy

Sh: dk brn, calc, oil sh

SS a/a

Sh: dk brn, calc, oil sh

SS wh, lt gr, v fgr, argill
pty.
ls: brn, wh, micro xln
sh: lt gr, tr silty, calc, pthy.

SS lt gr, v fgr, silty, calc
cem, argill, no par

Sh: lt gr

SS wh, lt gr, v fgr, tr med
gr, poor sh, low loose
med and milky wh qtz, gr

SS wh, v fgr, wh calc cem

w/ sh: lt gr

No LCI 3355

PRINTED IN U.S.A.

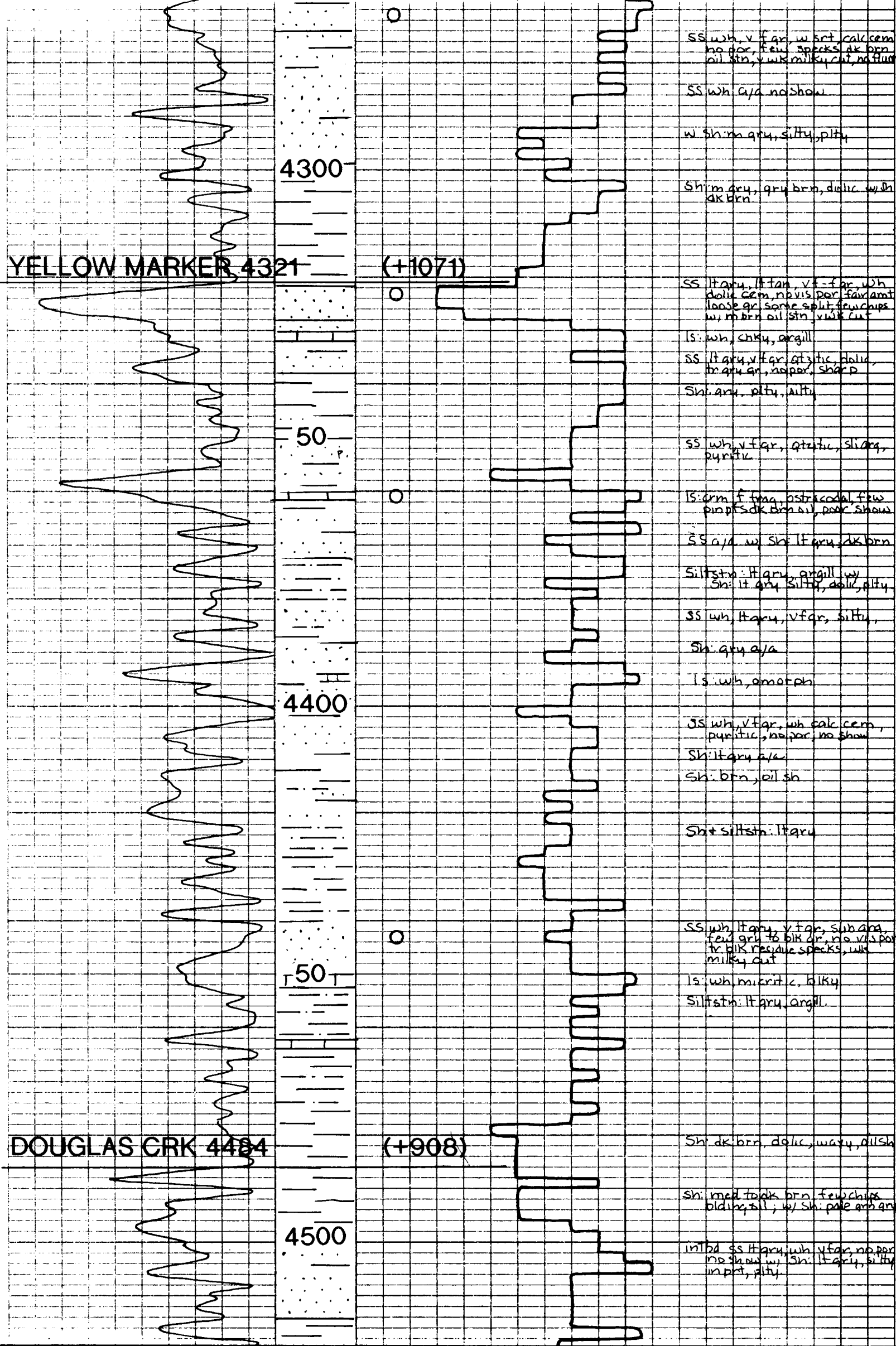
RECORDING CHART

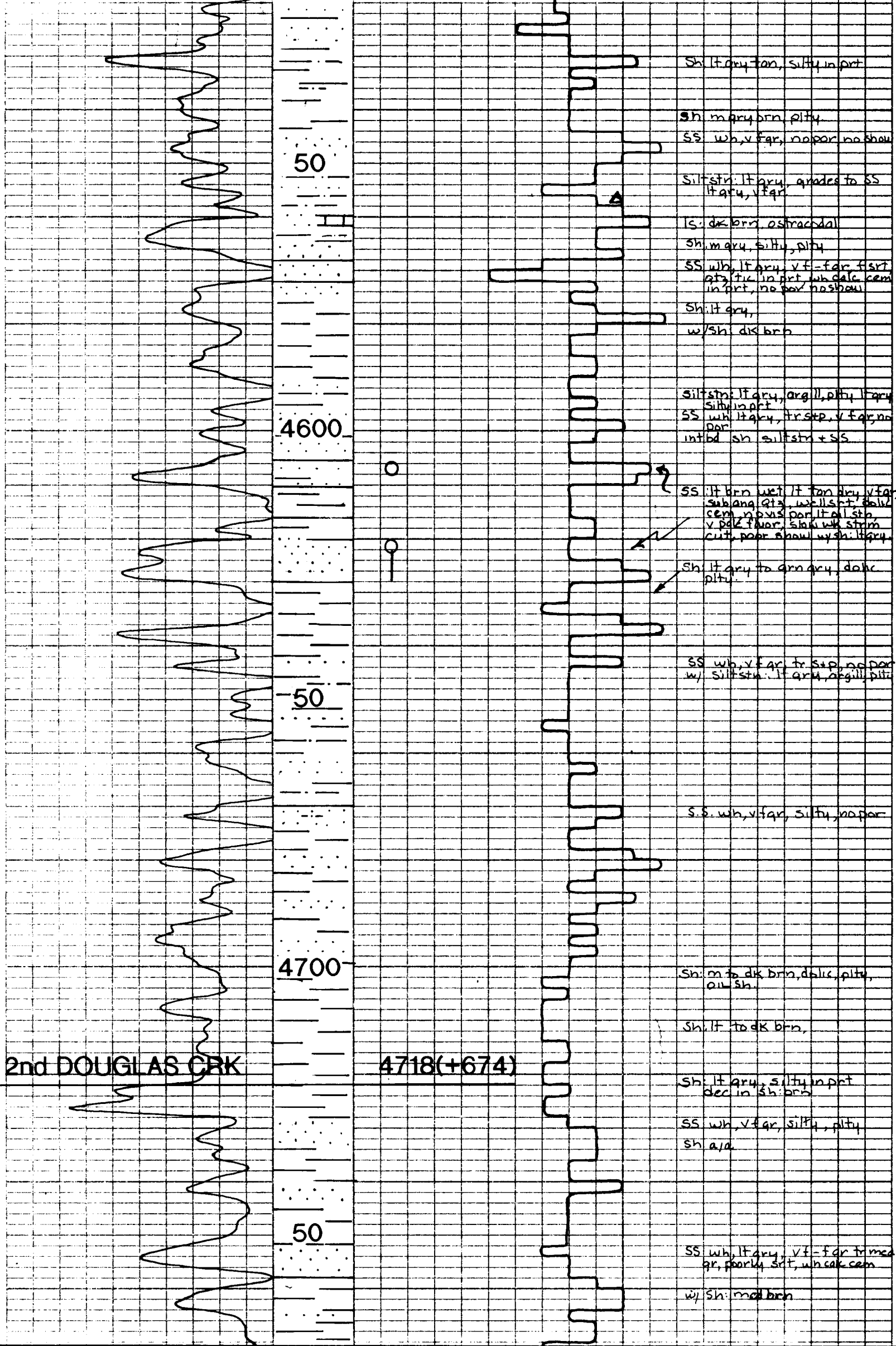
GRAPHIC CONTROLS CORPORATION

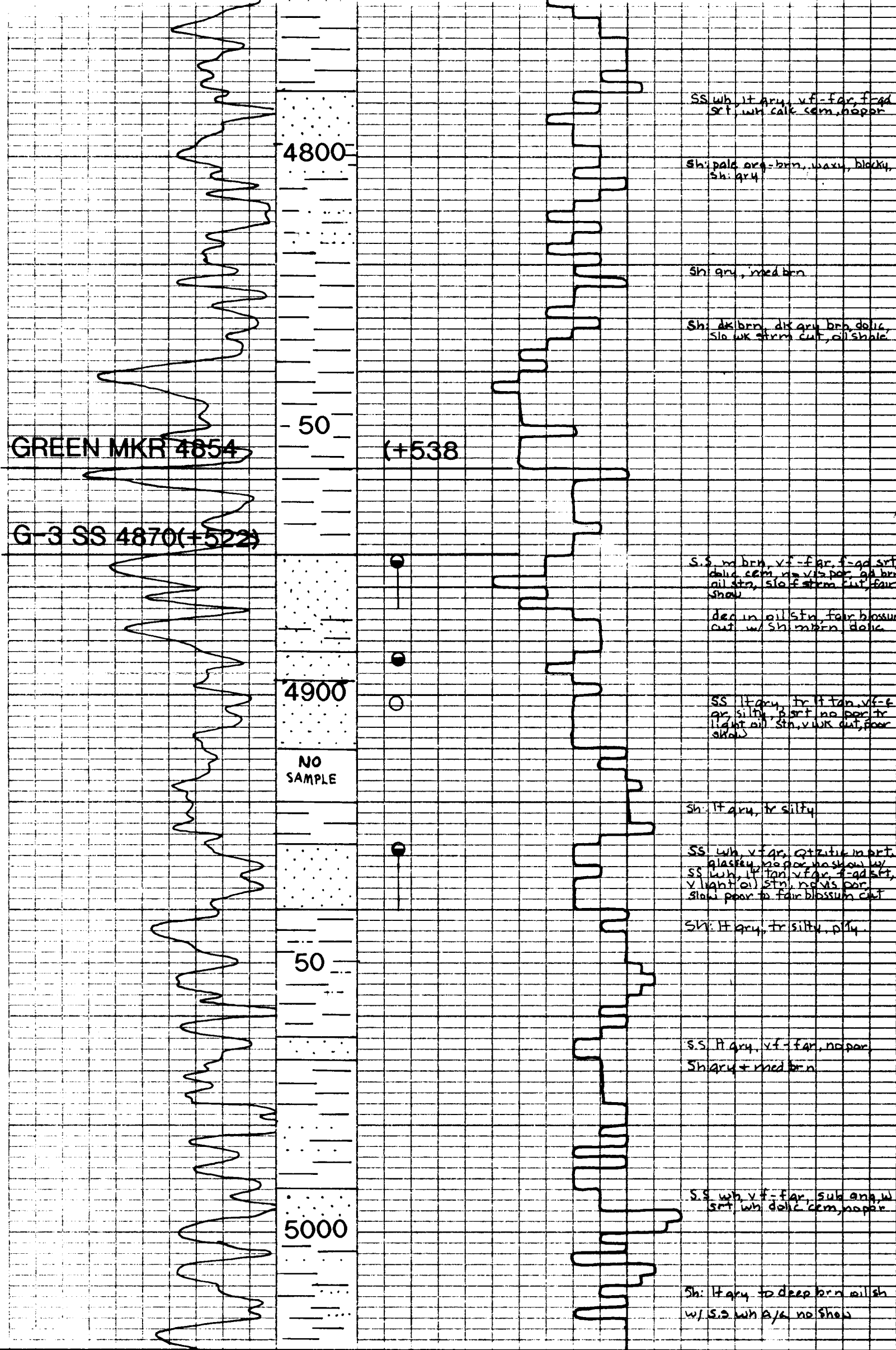
BUFFALO, NEW YORK

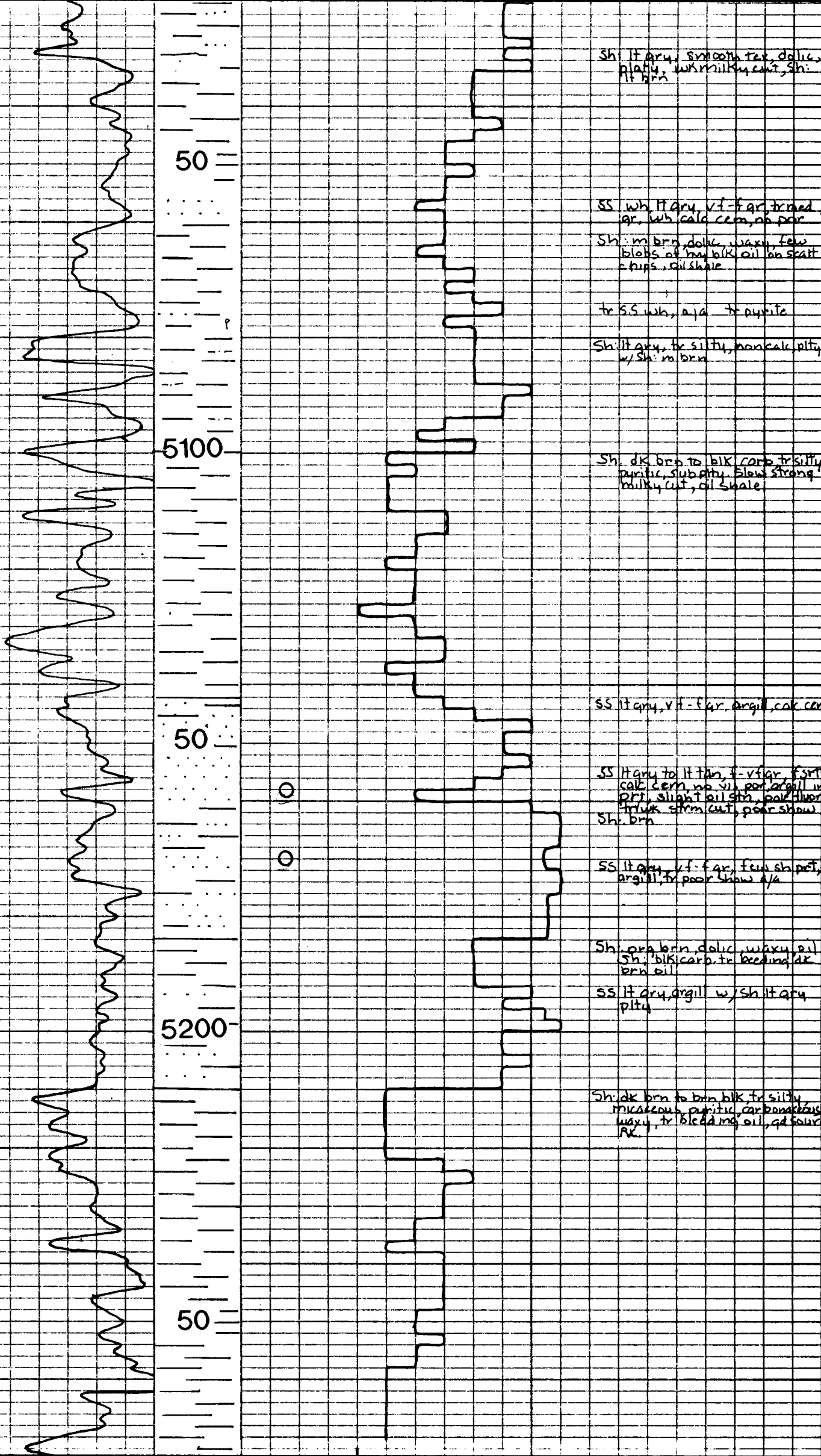
No LCI 3355

PRINTED IN U.S.A.









CARB MKR 5314(+78)

B-1 SS 5360(+32)

B-2 SS 5397(-5)

B-3 SS 5519(-127)

Sh: tan, mushy

ls: gray brn, micritic, platy

Sh: dk brn

SS wh, v. gr.

Siltstn: lt gray, argill, calc.

SS lt gray, v. f. framed gr. Sub
and p. srt, wh calc, cem, no
por, no show

Siltstn + sh gray

Sh: lt gray w/ siltstn, a few
blobs of oil on random chipsSS tan to lt brn fine framed
gr, sub ang, no sub rd, clear
to opaque, platy, mostly
loose gr, some silt, some
tight cluster, all grains stained
light to moderate, w/ oil, few
beads dk, brn oil, light blue-
grn fluor, fair inst, str. cut
possibly flushed, fair showSS wh, v. f. framed gr, calc,
cem, p. srt, no por

Sh: lt gray, smooth tex, platy

Sh: dk brn, lt gray, platy

SS wh, lt gray, v. f. gr, argill, few

loose m. gr, no show

Siltstn: lt gray

SS wh, lt gray, v. f. gr, wh calc,
cem, puritic, fr. s. p. fr.
lt tan w/ v. light oil stain
wk. m. l. cut, poor shSh: lt med + dk brn, dolc, waxy
oil sh

Siltstn: lt gray

Sh: grades to black, very carb,
few blobs nvy dk oil on
random chipsSh: lt gray, silty grades to
Siltstn: lt gray w/ grn chat
argill, dolc, blocky

SS wh, v. f. gr, no por

SS wh, v. f. gr, rare arg gr,
silty, calc

Siltstn: lt gray, a/a

SS wh: v. f. - m. gr, Subana, p
srt
w/ sh a/aSh: dk brn, silty, puritic, Sh:
med arg-brn, fr. silty, waxy

Sh: dk gray-brn, platy

SS f. m. gr, loose gr, splinter

Summit cing. qtz, no show
VIS

Sh: lt gray, silty, v. f. sandy
w/ sh. pale green, silty
sandy, calc, tr pyrite

SS: lt gray, v. f. mar, platy
Sh: m. brn, waxy, oil sh

Sh: lt gray, silty, Sh: dk brn
to black, silty, carb, pyrite

SS: loose f-med am. qtz, gr.
f. tight wh clusters, no
por, no show; Sh: blk, tr
bleeding oil

TR: ls: tan, micritic, pelletal,
bleeding oil

Sh: lt gray, silty

SS: wh v. f. gr

Sh: m. brn, waxy oil sh

Sh: blk, silty, carb, pyritic
oil shale

SS: wh, v. f. gr, tr ktp, wh
limy, calc, no por, no show

ls: wh, chalky, amorph, argill

TD DRL & LOGGER 5650

RECORDING CHART

GRAPHIC CONTROLS CORPORATION

BUFFALO, NEW YORK

NO. LC1 3355

50

5600

50

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW Section 17, T9S, R17E 1800' FNL, 1980' FWL

5. Lease Designation and Serial No.

UIU-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcon Monument Federal #22-17

9. API Well No.

43-013-31429

10. Field and Pool, or Exploratory Area

Monument Butte/GreenRiver

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

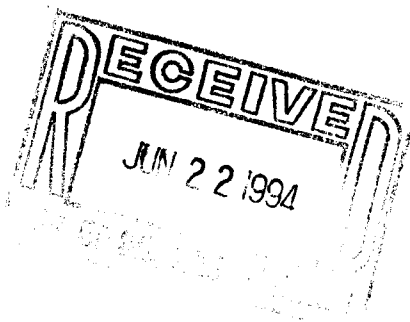
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Report of First Production

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First production on this well was on 6-17-94 at 12:00 noon.



14. I hereby certify that the foregoing is true and correct

Signed

Molly Conrad

Title

Operations Secretary

Date

6-20-94

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UTAH DIVISION OF OIL, GAS AND MINING
EQUIPMENT INVENTORY

Operator: EQUITABLE RESOURCES Lease: State: Federal: Y Indian:
Fee:

Well Name: BALCRON MON FED #22-17 API Number: 43-⁰¹³~~087~~-31429

Section: 17 Township: 09S Range: 17E County: DUCHESNE Field: MONUMENT BUTTE

Well Status: POW Well Type: Oil: Y Gas:

PRODUCTION LEASE EQUIPMENT: Y CENTRAL BATTERY:

Y Wellhead N Boiler(s) N Compressor N Separator(s)
N Dehydrator(s) N Shed(s) N Line Heater(s) N Heated
Separator
N VRU N Heater Treater(s)

PUMPS:

 Triplex Chemical (1) Centrifugal

LIFT METHOD:

Y Pumpjack Hydraulic Submersible Flowing

GAS EQUIPMENT:

 Gas Meters Purchase Meter Y Sales Meter

TANKS: NUMBER

SIZE

<u>Y</u>	Oil Storage Tank(s)	<u>2-400 OIL W/BURNERS</u>	<u> </u> BBLS
<u>Y</u>	Water Tank(s)	<u>1-130 OPEN TOP SUBSURFACE PITT TANK</u>	<u> </u>
<u>N</u>	Power Water Tank	<u> </u>	<u> </u> BBLS
<u>N</u>	Condensate Tank(s)	<u> </u>	<u> </u> BBLS
<u>(1)</u>	Propane Tank	<u> </u>	<u> </u>

REMARKS: METERED OFF LOCATION (UNITIZED ONAH). GLYCOL TRACE PUMP. UNIT
IS RUNNING OFF FIELD GAS ON VISIT WITH CASING VALVE CLOSED (WELL WAS JUST
BROUGHT ON).

Location central battery: Qtr/Qtr: Section: Township:
Range:

Inspector: DENNIS INGRAM Date: 6/28/94

UTU 72106

EQUITABLE RESOURCES
BALCON MON FED # 22-17
Sec 17; T9S; R17E

43-013-31429

POW

42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-383 200 SHEETS 5 SQUARE



NORTH

Propane Tank

Pump
Jack

Plastic
Gas Sales
Line

WELLHEAD

Dirt
Pile

2-400 Oil w/ Burners

Bermed
Area

1-130 Subsurface Pit
Tank

6/28/94

U. J. J. J.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. UU-72106
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. P.O. Box 21017, Billings, MT 59104 (406) 259-7860	7. If Unit or CA, Agreement Designation n/a
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SE NW Section 17, T9S, R17E 1800' FNL, 1980' FWL	8. Well Name and No. Balcron Monument Federal #22-17
	9. API Well No. 43-013-31429
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

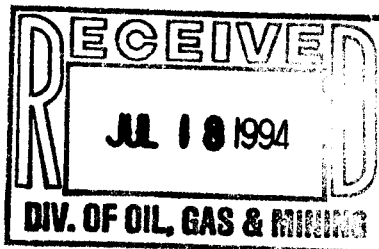
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**



14. I hereby certify that the foregoing is true and correct

Signed Bobbie Scheuman Title Regulatory and Environmental Specialist Date 7-12-94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #22-17

Location: SE NW Section 17, T9S, R17E

Duchesne County, Utah

1800' FNL, 1980' FWL

PTD: 6,000' Formation: Green River

Monument Butte Field

Elevations: 5383.7' GL, 5393.7' KB

Contractor: Union Drilling Rig #17

Operator: Balcron/EREC

Spud: 5-20-94 @ 6 p.m.

Casing: 8-5/8", 24#, J-55 @ 365' KB

5-1/2", 15.5#, K-55 @ 5627.32' KB

Tubing: 2-7/8", 6.5#, J-55 @ 5006.80' KB

---TIGHT HOLE---

5-11/16-94 Prepare location.

5-18-94 Install pit liner.

DC: \$8,915

CC: \$8,915

5-21-94 TD: 280' (280') Day 1

Formation: Uintah

Present Operation: Drilling

MIRU, drill rat hole & conductor hole. NU air bowl, & drill 12-1/4" hole.

DC: \$5,018

CC: \$13,933

5-22-94 TD: 375' (95') Day 2

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

Drill surface hole, TOH, ND air bowl. Run & cmt 8 jts 8-5/8" csg as follows:

Guide Shoe .60'

1 jt 8-5/8", 24# Shoe jt 44.10'

Insert Float

7 jts 8-5/8", 24#, J-55 csg 310.20'

354.90'

Landing jt. 10.00'

Csg landed @ Union's KB 365.00' KB

Cmt by Western w/225 sxs Class "G" w/2% CCL & 1/4#/sx Celoflakes.

4 bbls cmt back to pit. Plug down @ 1:30 p.m. NU, test BOP & manifold to 2000# - OK. Test csg to 1500# - OK. Drill cmt.

DC: \$11,466

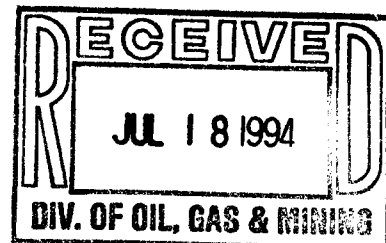
CC: \$25,399

5-23-94 TD: 1,752' (1,377') Day 3

Formation: Green River

MW 18,118

CC: \$43,517



DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #22-17

Location: SE NW Section 17, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

5-24-94 TD: 2,856' (1,104') Day 4
Formation: Green River
MW 8.4 VIS 26
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$23,117 CC: \$66,634

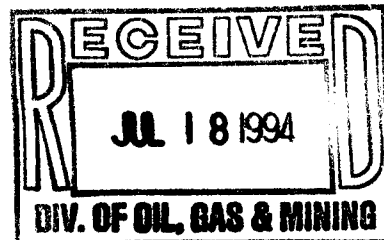
5-25-94 TD: 3,856' (1,000') Day 5
Formation: Yellow Zone
MW 8.4 VIS 26
Present Operation: Prepare to trip.
Drill, survey, work on soap pump, & circ hole for trip.
DC: \$13,800 CC: \$80,434

5-26-94 TD: 4,340' (484') Day 6
Formation: Yellow Zone
MW 8.4 VIS 26 pH 10.2
Present Operation: Drilling
Circ, trip for bit, repair wtr pump & fuel line. Drill, survey &
clean on rig.
DC: \$7,748 CC: \$88,182

5-27-94 TD: 4,785' (445') Day 7
Formation: Red Zone
MW 8.4 VIS 26 pH 10.4
Present Operation: Drilling
Drill, trip for bit, ream to btm, drill & survey.
DC: \$9,449 CC: \$97,631

5-28-94 TD: 5,408' (623') Day 8
Formation: Green Zone
MW 8.4 VIS 26 pH 10.4
Present Operation: Drilling
Drill, survey & clean on rig.
DC: \$9,548 CC: \$107,179

5-29-94 TD: 5,650' (242') Day 9
Formation: Green River
MW 8.4 VIS 26 pH 9.5
Present Operation: LD drill pipe.
Drill, survey, circ for logs, TOH & log well. TIH & start LD drill
pipe.
DC: \$19,781 CC: \$126,960



DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #22-17

Location: SE NW Section 17, T9S, R17E
Duchesne County, Utah

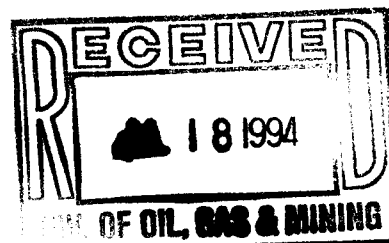
---TIGHT HOLE---

5-30-94 TD: 5,650' (0') Day 9
Formation: Green River
Present Operation: Shut down.
LD drill pipe & collars. Change pipe rams, test BOP to 2000# - OK.
RU casers & run 5-1/2" csg & cmt as follows:
Guide Shoe .60'
1 jt 5-1/2", 15.5#, Shoe jt 44.10'
Float Collar 1.00
128 jts 5-1/2", 15.5#, K-55 5572.62'
5618.32'
Landing Jt 9.00'
Csg set @ 5627.32'KB
PBTD @ 5581.62'KB (20 centralizers)
Cmt'd by Western w/180 sxs Super "G" & tai w/210 sxs 50-50 POZ.
Plug down @ 1 p.m. 5-29-94, release rig @ 5 p.m. 5-29-94.
DC: \$48,751 CC: \$175,711

6-4-94 New completion
Dress up location. Set big anchors. MIRU cannon well service rig #2. Install 5M well head, NU BOP. SDFD.
DC: \$2,616 CC: \$178,327

6-6-94 New Completion
TIH w/182 jts, bit 4-3/4" and cas. scraper, tag PBTD at 5,578'. Circulate hole, clean w/128 bbls water 2% KCL water. TOH w/tbg and tools. RU Schlumberger to run CBL from PBTD to 100' above cement top. Perf 3,980'-83' 4 SPF and 3,986'-95' 4 SPF .38" holes. RD Schlumberger. TIH w/131 jts, 2-7/8" tbg, seat nipple, HD pkr, 2-7/8"x4' sub, retrieving head and RBP. Set BP at 4,047' KB. Set pkr at 3,951' KB. RU western to do KCL breakdown on 3,980'-83' and 3,986-95' w/2,142 gals. 2% KCL ATP 4,200, psi max 5,000. ATR 6.0 bpm, max 6.0 bpm. ISIP 900 psi, 5 min. TOH w/tbg, packer and retrieving head. SWIFN.
DC: \$21,271 CC: \$199,598

6-8-94 Completion
CP - 25#. TIH w/retrieving tool 2-7/8" x 4' sub, HD packer, SN. Circ sand down to BP @ 4046'KB. Set packer @ 3930'KB. Made 30 swab runs, recovered 180 BW, trace oil. Last 8 runs fluid level stable @ 2200', good gas. Still getting sand back on each run. SWIFN. Load to recover 576 BW.
DC: \$2,566 CC: \$202,164



DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #22-17

Location: SE NW Section 17, T9S, R17E
Duchesne County, Utah

---TIGHT HOLE---

6-9-94 New completion
Tbg - 5 psi. Continue swabbing, tag fluid 600' from surface, first run 5% oil. Made 22 swab runs, recovered 132 BOW, trace oil. Fluid level at 1,900' from surface, last 4 runs. Release packer, tag sand at 4,010' KB. Circulate down to BP at 4,046' KB, release BP. TOH w/tbg, BP and packer. TIH with production string as follows:

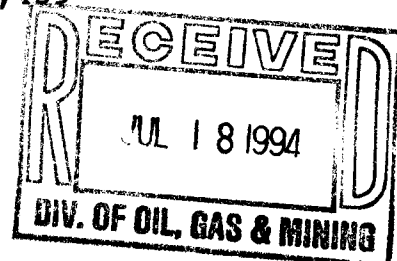
1 jt 2-7/8" EUE J-55 8RD 6.5#	30.05'	4,070.15'	KB
1 perf sub 2-7/8"x3'	3.20'	4,040.10'	
1 seat nipple	1.10'	4,036.90'	
3 jts 2-7/8" EUE J-55 8RD 6.5#	93.13'	4,035.80'	
1 tbg anchor 2-7/8"x5-1/2" (Trico)	3,930.32'	3,940.32'	
KB		10.00'	

Set anchor, ND BOP, NU well head. TIH w/rod production string as follows:

1 BHP, 2-1/2"x1-1/2"x16' BWAC w/parlinger, #1057 (Trico)
1 polish rod 1-1/4"x22' SM (Trico).
Pressure test BHP and tbg to 1,000 psi, okay. SWIFN.
DC: \$5,394 CC: \$207,558

6-10-94 Completion
CP - 25 psi. TIH w/retrieving tool 2-7/8"x4' sub, HD packer, seat nipple and 125 jts 2-7/8" tbg, tag sand at 3,837' KB. Circulate sand down to BP at 4,046' KB. Set packer at 3,930' KB. Made 30 swab runs. Recovered 180 BOW, trace oil. Last 8 runs, fluid stable at 2,200', good gas. Still getting sand back on each run. SWIFN.
DC: \$2,566 CC: \$106,469

6-17-94 Completion
Start well pumping 4 SPM, 74" stroke.
Pumping Unit: CMI
Size: 160-173-74
S/N: 507544208
Engine: AJAX
Size: EQ-30
S/N: 73292
Tanks: 12' x 20' 400 barrel
S/N: 9A84601-20
S/N: 9D881-09
DC: \$29,970 CC: \$136,439



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Federal #22-17

9. API Well No.

43-013-31429

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104

(406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW Section 17, T9S, R17E
1800' FNL, 1980' FWL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

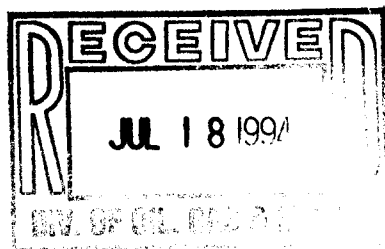
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security Diagram

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the Site Security Diagram for this well.



14. I hereby certify that the foregoing is true and correct

Signed

Robbie Schuman

Regulatory and

Title Environmental Specialist

Date 7-12-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Equitable Resources Energy Company Balcron Monument Federal 22-17 Production Facility Diagram

Balcron Monument Federal 22-17
SE NW Sec. 17, T9S, R17E
Duchesne County, Utah
Federal Lease #UTU-72106
1800' FNL, 1980' FWL

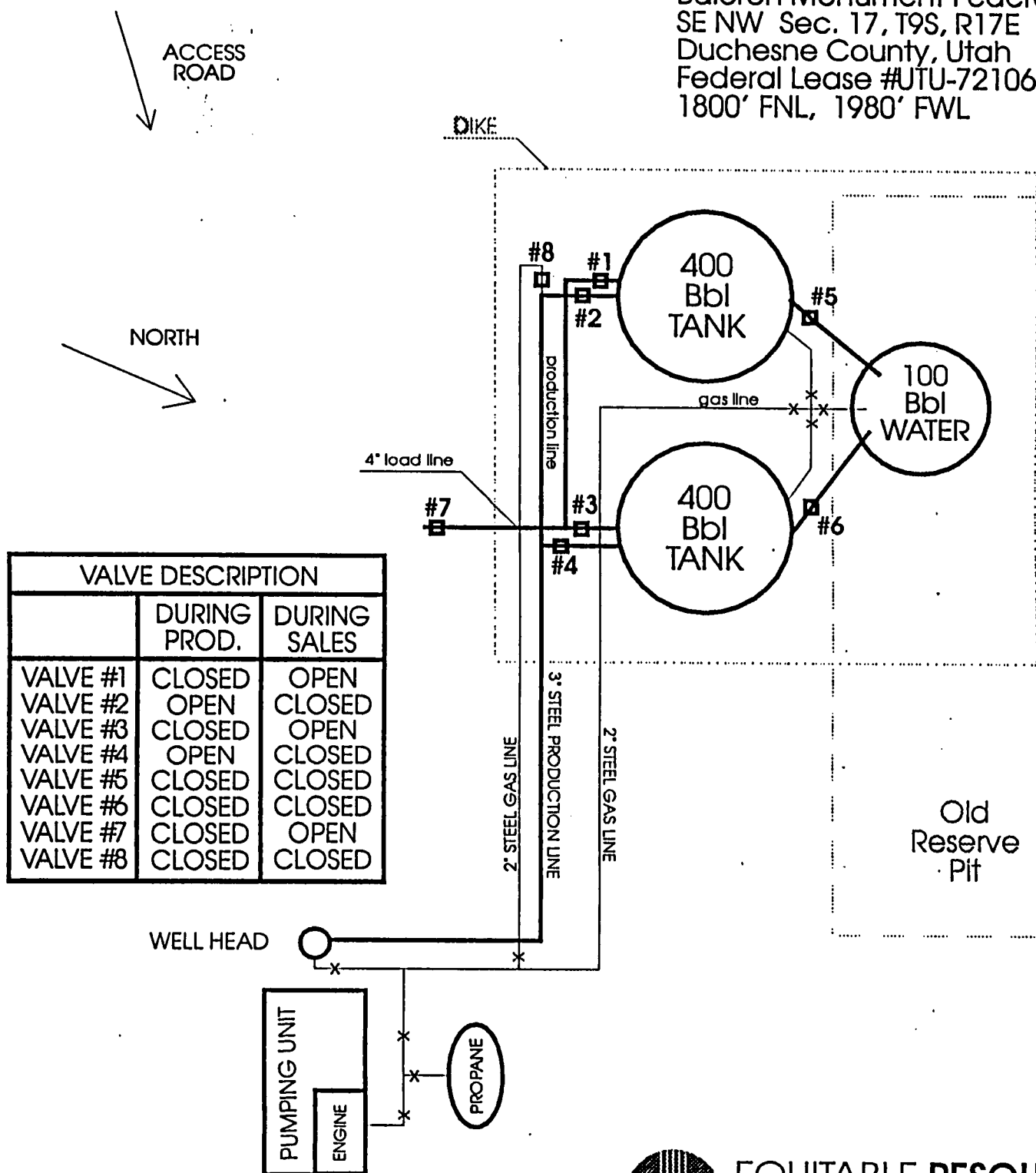


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION
1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

7-12-94

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW Section 17, T9S, R17E. 1800' FNL, 1980' FWL

5. Lease Designation and Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #22-17

9. API Well No.

43-013-31429

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other oil spill
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

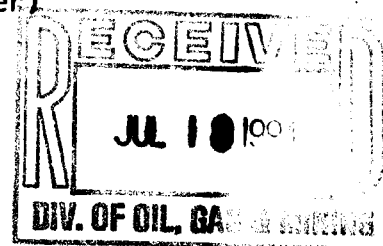
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A spill of approximately 15 B0 was discovered on this location July 14, 1994. It was caused by the tank overflowing. The spill was contained within the dike. Clean-up operations should be completed by 7/16/94. We anticipate sending any liquids recovered through hot oiling to RNI and oil-soaked soil to Annick for disposal.

FAX and mail notifications are being sent to the following:

Utah Division of Oil, Gas and Mining (Jim Thompson)
Bureau of Land Management, Vernal District (Jamie Sparger)



14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Regulatory and Environmental Specialist

Date July 14, 1994

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

See other In-
structions on
reverse side)

Budget Bureau No. 1004-013
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

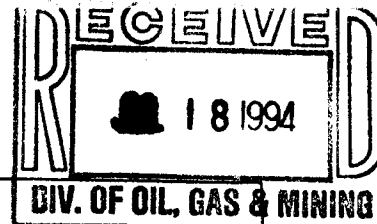
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. UUU-72106											
1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REMOV. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBAL NAT n/a											
2. NAME OF OPERATOR Equitable Resources Energy Company, Balcon Federal				7. UNIT AGREEMENT NAME n/a											
3. ADDRESS OF OPERATOR P.O. Box 21017, Billings, MT 59104				8. FARM OR LEASE NAME Balcon Monument Federal											
4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side) At surface 1800' FNL, 1980' FWL At top prod. interval reported below At total depth				9. WELL NO. 22-17											
14. PERMIT NO. 43-013-31429				DATE ISSUED 12-21-93											
15. DATE STUDDED 5-20-94		16. DATE T.D. REACHED 5-29-94		17. DATE COMPL. (Ready to prod.) 6-17-94		18. ELEVATIONS (OF, RKB, AT, OR, ETC.)* 5383.7' GL, 5393.7' KB		19. ELEV. CASINGHEAD n/a							
20. TOTAL DEPTH, MD & TVD 5650'		21. PLUG. BACK T.D., MD & TVD 5581.62' KB		22. IF MULTIPLE COMPL., HOW MANY* n/a		23. INTERVAL DRILLED BY SFC - TD		24. NOTARY TOOLS CABLE TOOLS n/a							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3980' - 3995' Green River								25. WAS DIRECTIONAL SURVEY MADE No							
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL - MSFL - GR - CEL - OCL - CNL								27. WAS WELL CORED No							
28. CARING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8-5/8"		24#		365' KB		12-1/4"		225 sxs Class "G" w/additives		n/a					
5-1/2"		15.5#		5627.32' KB		7-7/8"		180 sxs Super "G" and 210 sxs 50-50 FOL		n/a					
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		BACKS CEMENT*		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
n/a										2-7/8"		4070.15' KB		n/a	
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
3980' - 3983' (4 SPF)										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
3986' - 3995' (4 SPF)										3980' - 3995'		2142 gallons 2% KCL 79,220# 16/30 sand w/34,990 gallons 2% KCL gelled water.			
33. PRODUCTION															
DATE FIRST PRODUCTION 6-17-94		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump						WELL STATUS (Producing or shut-in) Producing							
DATE OF TEST 7-1-94		HOURS TESTED 24		CHOKED SIZE n/a		PROD'N. FOR TEST PERIOD →		OIL—BSL. 35		GAS—MCF. n/a		WATER—BSL. 10		GAS-OIL RATIO r/a	
FLOW. TUBING PRESS. n/a		CASING PRESSURE n/a		CALCULATED 24-HOUR RATE →		OIL—BSL. 35		GAS—MCF. n/a		WATER—BSL. 10		OIL GRAVITY-API (CORR.) 34 degrees			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.										TEST WITNESSED BY Dale Griffin					
35. LIST OF ATTACHMENTS															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED <u>Bobbie Schuman</u>		TITLE <u>Regulatory and Environmental Specialist</u>						DATE <u>7-12-94</u>							

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	Geological report submitted separately.		



1. Well name and number: Balcon Monument Federal #22-17
API number: 43-013-31429
2. Well location: QQ SE NW section 17 township 9S range 17E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcon Oil Division
Address: P.O. Box 21017 phone: (406) 259-7860
Billings, MT 59104
4. Drilling contractor: Union Drilling
Address: Drawer 40 phone: (304) 472-4610
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water encountered during drilling operations.	

6. Formation tops: Geological report submitted separately.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman
Title Regulatory & Environmental Specialist

Signature Bobbie Schuman
Date 7-12-94

Comments:

APPLICATION FOR INJECTION WELL - UIC FORM 1

Well name and number: Balcron Monument Federal #22-17

Field or Unit name: Beluga Unit Lease no. UTU-72106

Well location: OO SE NW section 17 township 9S range 17E county Duchesne

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒
Date of test: _____
API number: 43-013-31429

List of Attachments: Will be filed separately.

Name Bobbie Schuman Signature Bobbie Schuman
 Title Regulatory & Environmental Specialist Date November 14, 1995
 Phone No. (406) 259-7860

(State use only)
Application approved by _____ Title _____
Approval Date _____

(3/89)

**Underground Injection Control (UIC)
Permit Application
Supplement Attachment To Form Four**

**Equitable Resources Energy Company, Western Region
Beluga Unit Waterflood
Duchesne County, Utah**

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Figure #6	Johnson Water Supply Analysis Report Without Chemical
Figure #7	Johnson Water Supply Analysis Report With Chemical
Figure #8	Pressure Build Up Test

List of Exhibits

Exhibit-A	Area of Review Well List
Exhibit-B	Well Data Sheets and Scout Cards
Exhibit-C	Individual Sand Isopach Maps
Exhibit-D	Well Perforation Intervals
Exhibit-E	Fracture Pressure Data
Exhibit-F	Packer Fluid Recommendation
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**Underground Injection Control (UIC)
Permit Application
Supplement Attachment To Form Four**

Company: Equitable Resources Energy Company (EREC)
Project: Beluga Unit Waterflood
Monument Butte Field
Section 7,8,16,17,& 18, T9S, R17E
Duchesne County, Utah

A) AREA OF REVIEW METHODS.

- 1) The area of review is a fixed radius of 1/4 mile from the proposed Unit boundary and/or proposed injection wells. This area of review was selected to ensure that any future development in this area would be covered.

B) MAPS OF WELLS/AREA & AREA OF REVIEW.

- 1) Figure #1 - Topographic Map showing the area of review. A 1/4 mile radius from the proposed injection wells is outlined with all wells in the prescribed area located and identified.

Refer to Exhibit-A for a list of wells within the area of review.

- 2) Figure #2 - Proposed Water Injection Facilities Map.
- 3) Figure #3 - Proposed Produced Water Gathering Facilities Map.
- 4) Figure #4 - Surface and lease ownership map.
All surface within the area of review is owned by the Bureau of Land Management except for Section 16, T9S, R17E which is owned by the State of Utah.

C) CORRECTIVE ACTION PLAN AND WELL DATA.

- 1) A tabulation of well data is presented for each well within the area of review, refer to Exhibit-B, well data sheets & scout cards. Note that the proposed area of review for the Beluga Unit overlaps with the approved area of review for the Jonah Unit (Operated by Equitable Resources Energy Company) and Pleasant Valley Unit (Operated by Enserch Exploration Inc.). Please refer to the approved UIC permits for details on the wells in these areas.

Jonah Unit	Area Permit Number UT2642
Pleasant Valley Unit	Area Permit Number UT2771

- 2) It is proposed to inject water into multiple sands of the Green River Formation using injection packer assemblies which will be landed on tubing. The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor and the backside pressure will be monitored daily. If abnormal backside pressure is detected the well will be pulled to determine the source of the leak.

D) MAPS AND CROSS SECTIONS OF USDW.

-Does not apply to Class Two injection wells.

E) NAME AND DEPTH OF USDW.

- 1) There are no underground sources of drinking water or water wells in

the area of review. No fresh water sources will be affected by these water injection operations. The top of the saline water bearing horizon in this area is 4800 feet to 5000 feet mean sea level which falls in the Uintah Formation. This information was provided by Gil Hunt with the Division of Oil, Gas, & Mining, State of Utah. The average MSL elevation for the area of review is 5350 feet which basically puts the top of the saline water horizon at surface to approximately 500 feet. There have been no fresh water bearing zones encountered in this area of review.

F) MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA.

- Does not apply to Class Two injection wells.

G) GEOLOGICAL DATA ON INJECTION AND CONFINING ZONES.

- 1) The flooding objectives of the proposed Beluga Unit waterflood are lenticular channel sandstones which are distributed throughout the Douglas Creek Member of the Green River Formation. These sands occur over 1550 feet of vertical section at an average depth range of 3750 feet to 5300 feet. They exhibit a fining upward grain size, typical of fluvial channel deposits, with an average thickness of 15 feet. Due to the multiple potential waterflood horizons in the Douglas Creek Member, Equitable Resources Energy Company is requesting approval to inject water into any or all of the occurring sands within this interval. Refer to Exhibit-C for individual sand isopach maps.

- 2) For specific injection intervals please refer to the perforation intervals of each proposed injection well outlined in Exhibit-D and the well data sheets and wellbore diagrams provided in Exhibit-B.

- 3) Estimated Formation Tops: See Type Log for the Paiute Federal #43-8

Uintah Formation	Surface to 1450 ft.
Green River Formation	1450 ft to 5400 ft.
Douglas Creek Member	4560 ft to 5400 ft.
Douglas/Wasatch Transition	5400 ft to 5950 ft.
Wasatch Formation	5950 ft.

Note: The Douglas Creek interval is shown as a member within the Green River Formation.

- 4) The confining zones for the proposed injection intervals consists of mixed continental and lacustrine shales. The Douglas Creek Member is primarily interbedded sand stringers and shale which will act as isolation barriers for the waterflood. The top confining zone is the shales of the Green River Formation and the bottom confining zone is the shales of the Wasatch Formation. Refer to the Type Log for the Beluga Unit area which has been submitted with this permit.
- 5) The injection interval water quality is an analysis of the produced water from the Paiute Federal #11-17. This sample represents an average of the produced water from the Beluga Unit wells. The analysis shows 11,800 mg/l chloride, 9,471 mg/l sodium, and 25,085 mg/l TDS. Refer to Figure-5 for the produced water analysis report.
- 6) The average fracture gradient for the Douglas Creek Member sands is 0.876627 psig/ft. This is an average of all the frac gradients calculated from jobs performed on all zones in the Beluga Unit. Refer to Exhibit-E for pressure and gradient data.
- 7) Calculations for the submitted frac gradients are based on the initial shut in pressures obtained from the frac jobs performed on the Beluga Unit wells. Fracture treatment records show that the frac sand was

displaced with 2% KCl water. The hydrostatic gradient for the 2% KCl water was calculated at 0.43836 psig/ft. This gradient was used to calculate the hydrostatic head of the KCl water and was added to the ISIP. The fracture gradient was then calculated by dividing the sum of these pressures by the average of the perforation depth.

$$\text{Frac Gradient} = (\text{ISIP} + 0.43836 \text{ psig/ft}(\text{Depth}))/\text{Depth}$$

- 8) Cement Bond Logs for the proposed water injection wells and a Beluga Unit Type Log have been enclosed. Cement bond logs for the newly drilled wells will be submitted to the EPA as soon as available.
- 9) The proposed water injection wells were drilled with a rotary rig using a conventional water based mud and/or an air mist to an average total depth of 5800 feet. Production casing was run through the productive sands of the Green River Formation and cemented to a point well above the upper most sand. The wells were then perforated, hydraulically fractured, and put on production. Refer to the well data sheets presented in Exhibit-B for specific completion details of each well.

H) OPERATING DATA.

- 1) Average water injection volume of 250 STBWPD.
Maximum water injection volume of 500 STBWPD.
- 2) EREC is requesting a maximum injection pressure of 1856 psig based on fracture pressure gradient calculations until step rate test studies can be performed. The average fracture gradient for the Douglas Creek Member sands is calculated at 0.876627 psig/ft. This is an average of all the frac gradients calculated from jobs performed on all zones in the Beluga Unit. However, due to the difference in depth and fracture gradients between the Y-Zones and R-Zones EREC is requesting a maximum injection pressure of 1856 psig based on the fracture gradient and depth of the Y-Zones. The average fracture gradient for the Y-Zones only is calculated at 0.898974 psig/ft. Using the average depth of the shallowest Y-Zone perforations of 3982 feet, the formation parting pressure is calculated at 1856 psig for the Y-Zones. The average fracture gradient for the remaining zones (Excluding Y-Zones) is calculated at 0.866360 psig/ft. Using the average depth of the shallowest perforations for the remaining zones of 4553 feet, the formation parting pressure is calculated at 1973 psig. Thus, by using the lesser of the two calculated formation parting pressures of 1856 psig for a maximum injection pressure, it is reasonable to assume that the formation will not propagate a fracture during injection operations.
- 3) The annulus of the proposed injection wells will be filled with a protective corrosion inhibitor (Cortron R-2383) supplied by Champion Technologies, Inc. The recommended chemical will be mixed with fresh water at a concentration of two percent by volume. A diesel blanket of approximately one barrel will be placed on the backside to prevent the valves from freezing. Refer to Exhibit-F for the recommendation of packer fluid.
- 4) The injection water for the Beluga Unit waterflood will be fresh potable water supplied by Johnson Water Association out of Myton, Utah. This water will be piped from the Johnson water facility approximately 7.5 miles to the Jonah Unit through a six inch fiberglass water supply line which is owned and operated by EREC. It is proposed to extend this line approximately two miles to the Beluga Unit waterflood facilities. The source for this water supply is the Starvation Reservoir which is owned by the Bureau of Reclamation, Central Utah Project. The water is gathered from the Strawberry and Duchesne Rivers into the reservoir just west of the city of Duchesne, Utah and sold accordingly. The analysis for this

water shows 1200 mg/l chloride and 2548 mg/l TDS with a specific gravity of 1.005. Chemicals will be added to the water to reduce oxygen and to prevent corrosion and scaling. The proposed chemicals will be supplied by Champion Technologies out of Vernal, Utah. Refer to Figure-6 and Figure-7 for the analysis of the Johnson water supply.

- 5) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the reservoir. When it is time to inject this produced water the EPA will be notified via letter and a water analysis will be submitted.

I) FORMATION TESTING PROGRAM.

- 1) The porosity of the injection sands averages approximately 12% with a permeability range from 0.1 to 16 millidarcy. The porosity is determined using compensated neutron/density porosity logs and core analysis. The core analysis is from the Allen Federal #34-5, Paiute Federal #24-8, and the Paiute Federal #34-8. The Allen Federal #34-5 well is located outside the Beluga Unit waterflood boundary and the other two are within the unit. These wells represent similar conditions for depositional environment, and reservoir characteristics for the Beluga Unit. Refer to Exhibit-G for the core analysis.
- 2) A mechanical integrity test will be conducted on all proposed water injection wells prior to injection. The casing will be integrity tested by setting a tubing conveyed packer just above the perforations and pressuring the annulus to 1000 psig. The pressure will be held for a one hour test. The results of the mechanical integrity tests will be submitted to the EPA prior to water injection.
- 3) Fracture treating rates, average and maximum pressure, ISIP, and frac gradients have been tabulated for the Beluga Unit and are presented in Exhibit-E and on the well data sheets in Exhibit-B.
- 4) The present reservoir pressure through out the Beluga Unit ranges from a normal pressured reservoir at 2100 psig to depleted conditions at 900 psig. Refer to Figure-8 for a recent pressure build up test performed on the Monument Federal #42-17 in the R2 zone.
- 5) A step rate test will be performed on at least one proposed injection well to determine the formation parting pressure and to more accurately define the maximum allowable injection pressure. It is proposed to perform individual step rate tests on the Y-Zones and R-Zones to better understand the differences in formation parting pressures and to assure that the maximum requested injection pressure does not propagate fractures in any zone during the injection operations.

J) STIMULATION PROGRAM.

- Refer to individual well data sheets for well stimulation and fracture data.

K) INJECTION PROCEDURES.

- 1) The injection procedure for the Beluga Unit waterflood will be as follows:
 - Water from the Johnson Water Association and/or produced water will be piped to the proposed water injection plant located at the Paiute Federal #24-8 well location.
 - The water will be filtered with 50 and 10 micron filters before entering the water storage tanks at the water injection plant.
 - Chemical will be added for oxygen, corrosion, and scaling.
 - A triplex injection pump will be used to pressurize the water to approximately 2300 psig plant pressure.
 - The pressurized water will travel through an injection manifold and

- out to the well feed lines.
 - Each feed line will supply one injection well.
 - Each injection well will be equipped with a flowmeter, choke valve check valve, water filter, tubing and casing annulus pressure gauge.
 - The water will be filtered with 5 micron filters before entering the tubing.
 - The water will pass down the tubing, past the packer to the perforations.
 - Tracer profiles will be run approximately every 6 months which will indicate the percentage of water exiting each set of perforations.
- 2) The injection facility will be equipped with pressure monitoring and safety shut-down devices to protect against high or low pressure failures. It will also have tank level, oil, temperature, and other safety shut-down devices.

L) CONSTRUCTION PROCEDURES.

- 1) It is proposed to drill or re-enter the following wells:

Drill the Monument Federal #23-17B	NE SW Sec.17, T9S, R17E
Re-enter the Monument Butte Fed. #1-8	NW SW Sec.8 , T9S, R17E
Re-enter the State NGC #11-16	NW NW Sec.16, T9S, R17E

- 2) The Monument Federal #23-17B will be drilled and completed similar to the Monument Federal #13-16B, #22-16B, #23-16B, and #33-17B wells. The well will be completed as an oil production well.
- 3) The Monument Butte Federal #1-8 and State NGC #11-16 will be re-entered using a workover rig and power swivel. The wells will be cleaned out to plugback TD and recompleted in additional zones. Refer to the wellbore diagrams presented in Exhibit-B and the proposed injection well diagrams presented in Exhibit-H.

M) CONSTRUCTION DETAILS.

- 1) Refer to Exhibit-I for the proposed well surface injection equipment.
- 2) Refer to Exhibit-B for well data sheets, wellbore diagrams, and scout cards for all wells in the proposed area of review. Refer to Exhibit-H for proposed injection well diagrams. Refer to approved UIC area permits for the Jonah Unit (UT2642) and Pleasant Valley Unit (UT2771) for additional information on wells in the overlapping area of reviews.
- 3) A 25'x 30' water injection plant will be constructed on the location of the Paiute Federal #24-8 proposed water injection well. The water injection plant will be equipped with a produced water gathering and filtering system to reinject produced water as required. High pressure steel water injection lines will be laid and buried from the injection plant to each of the proposed water injection wells.
- 4) The injection wells will be equipped with 2 7/8 inch tubing and an Arrow Set-1 packer set in tension to isolate the injection zones. The packer will be set within 100 feet of the top perforation and will be tested for mechanical integrity. Refer to Exhibit-H for proposed packer setting depths of each water injection well.
- 5) Results of mechanical integrity tests and step rate tests will be submitted to the EPA along with well rework forms for each proposed water injection well prior to injection.

N) CHANGES IN INJECTION FLUID.

- 1) As the waterflood progresses and water breakthrough occurs, it is proposed to inject the produced water back into the formation. When

it is time to inject this produced water the EPA will be notified via letter and a water analysis will be submitted. At this time it is not feasible to make estimates as to the volume or quality of the produced water.

O) PLANS FOR WELL FAILURES.

- 1) All injection wells and related facilities will be monitored daily for integrity. The backside pressure will be checked daily and if abnormal backside pressure is detected the well will be investigated to determine the source of the leak. If a casing leak is found the leak will be isolated and squeezed with cement. The casing will be checked for mechanical integrity to ensure that the squeeze job repaired the leak. If a leak cannot be repaired the well will either be returned to production and pumped off or plugged and abandoned according to the procedure outlined in Section-Q.

P) MONITORING PROGRAM.

- 1) The waterflood will be monitored through the existing oil production wells. Each production well will be monitored for waterflood response and records of daily oil and water production will be kept. Fluid levels will be shot when possible to monitor reservoir pressure and flood advancement. Refer to Figure-1 for the location of these oil production wells.

Q) PLUGGING AND ABANDONMENT PLAN.

- 1) The P&A plan proposed consists of running into the well with tubing and washing the well out to TD to ensure that the perforations are clear. If the well is not dead, mud will be mixed on location to a sufficient weight for killing the well. The mud will be circulated down the tubing and into the casing until the water has been displaced and/or the well has been killed. The well will then have a balanced cement plug using approximately 260 sacks of class-G cement placed over the Douglas Creek Member of the Green River Formation (i.e. over the perforation interval) from TD to a point at least 300 feet above the uppermost perforation. The top of the first cement plug will be at a depth of approximately 3800 feet. The tubing will be pulled out of the hole and the production casing will be perforated for two feet with four shots per foot at a point 100 feet below the surface casing shoe. Circulation will be established to surface, down the casing & up the annulus via the perforations. Cement will be circulated to fill the production casing and the annulus from the perforations to the surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface and the bottom will be 100 feet below the surface casing shoe. A permanent marker will be set identifying the well name, lease, location, elevation, and plugging date.

- 2) Refer to Exhibit-J for plugging and abandonment plan and diagrams.

R) NECESSARY RESOURCES.

- 1) Refer to Exhibit-K for evidence of financial ability to plug and abandon the proposed injection wells.

S) AQUIFER EXEMPTION.

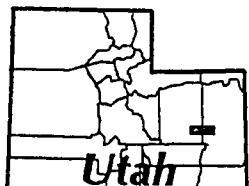
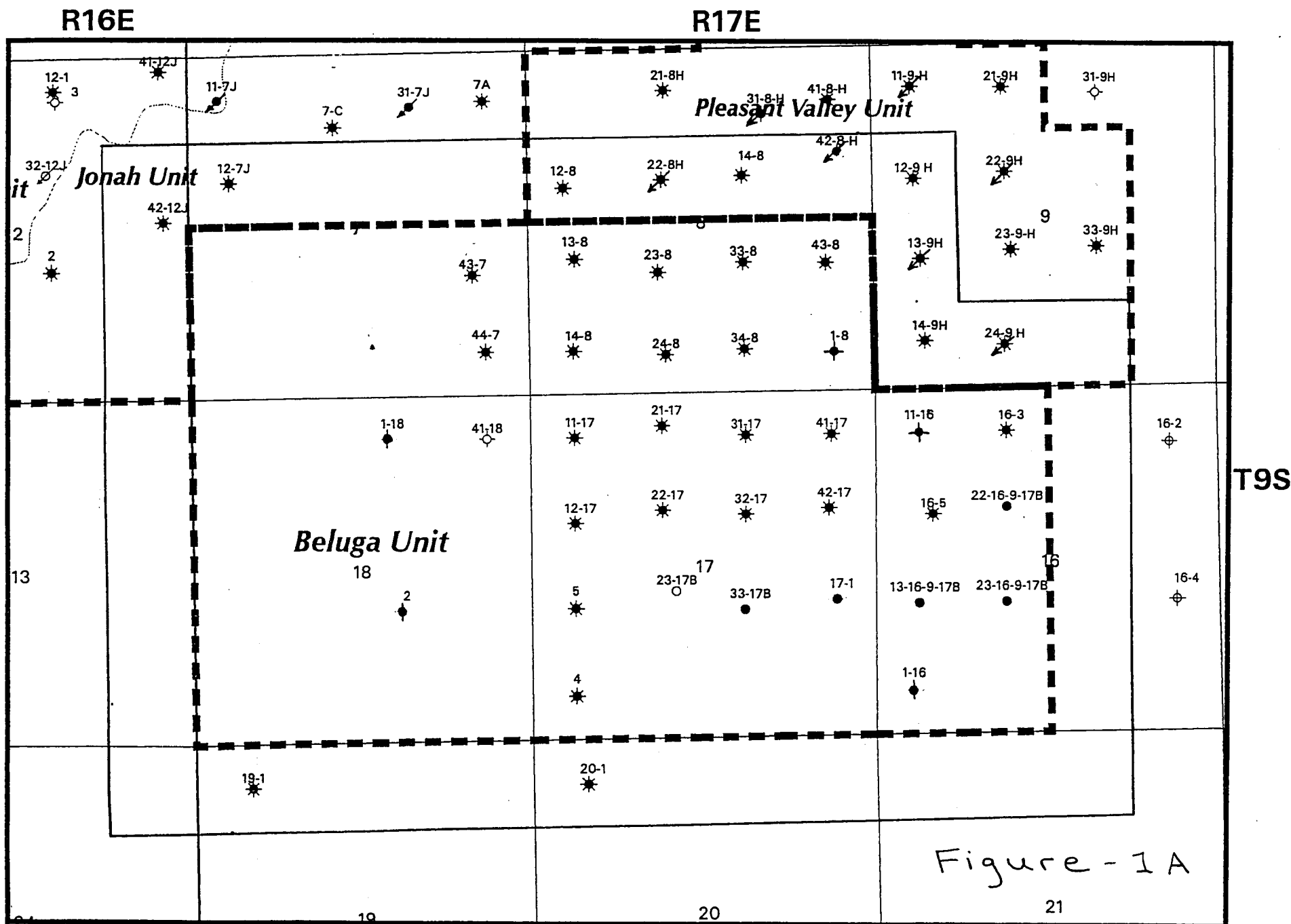
-No aquifer exemption is requested.

T) EXISTING EPA PERMITS.

- 1) Refer to Exhibit-L for existing EPA permits held by Equitable Resources Energy Company, Western Region.

U) DESCRIPTION OF BUSINESS.

- 1) Equitable Resources Energy Company is an independent oil and gas production company located in Billings, Montana. EREC employs engineers, geologists, and a field staff with the knowledge and technical experience required to maintain and operate the proposed facilities.



----- Unit Boundaries
 ————— Area Of Review



Equitable Resources Energy Company
 Beluga Unit
 Figure 1
 Duchesne County, Utah
 Well spot map/Area of review

OPERATOR EQUITABLE RESOURCES ENERGY
ADDRESS BALCRON OIL DIVISION

OPERATOR ACCT. NO. H9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ()



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860

★FAX TRANSMITTAL★

FAX NO.: (406) 245-1365

TO: NAME: Leesha
COMPANY: Utah, Division of Oil, Gas, & Mining
DATE: 02-21-96
FAX #:

FROM: Molly Conrad
Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
Phone: (406) 259-7860 ext 236

TOTAL # OF PAGES 2
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

TELECOMMUNICATOR: mmc

SPECIAL INSTRUCTIONS:

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.

Thanks for your help!!

NOTE: The information contained in this facsimile message is privileged and confidential, and is intended only for the use of the individual(s) or entity name above who have been specifically authorized to receive it. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return all pages to the address shown above. THANK YOU.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 11

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
BOLL WEEVIL FED 26-13								
4301330770	00035	08S 16E 26	GRRV					
CASTLE PK ST 43-16								
4301330594	01181	09S 16E 16	GRRV					
PAIUTE FEDERAL 34-28								
4301330778	01200	09S 17E 8	GRRV					
MOCONNEE FED 14-7								
4301330666	01205	09S 17E 7	GRRV					
PAIUTE FEDERAL 11-17								
4301330516	01210	09S 17E 17	GRRV					
PAIUTE FEDERAL 24-28								
4301330675	01220	09S 17E 8	GRRV					
JORNEY FED 1-9								
4304730070	01260	09S 19E 9	GRRV					
CASTLE PK FED 24-10A								
4301330555	01281	09S 16E 10	GRRV					
HENDEL FED 1-17								
4304730059	01305	09S 19E 17	GRRV					
HENDEL FED 3-17								
4304730074	01305	09S 19E 17	GRRV					
HENDEL FED. 1-9								
4304720011	01310	09S 19E 9	GRRV					
PARIETTE BENCH FED 14-5								
4304731123	01335	09S 19E 5	GRRV					
PARIETTE BENCH UNIT 2								
4304715680	01345	09S 19E 7	GRRV					
TOTALS								

REMARKS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
EQUITABLE RESOURCES ENERGY
1601 LEWIS AVE
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
PARIETTE BENCH FED 41-7			GRRV					
4304731584	01346	09S 19E 7						
GUESS MORRIS ST 16-23			GRRV					
4301330562	01450	09S 17E 16						
STATE 16-2			GRRV					
4301330552	01451	09S 17E 16						
K JORGENSEN ST 16-4			GRRV					
4301330572	01452	09S 17E 16						
W DUNCAN ST 16-5			GRRV					
4301330570	01453	09S 17E 16						
PARLETTE FEDERAL 43-8			GRRV					
01330777	02042	09S 17E 8						
PARLETTE FEDERAL 18			DGCRK					
4301330332	08100	09S 17E 18						
POMCO #2			GR-WS					
4301330505	08101	09S 17E 18						
POMCO #4			GRRV					
4301330506	08102	09S 17E 17						
POMCO #5			GRRV					
4301330499	08104	09S 17E 17						
PARIETTE BENCH FED 32-6			GRRV					
4304731554	09885	09S 19E 6						
PARIETTE BENCH FED 43-6			GRRV					
4304731616	10280	09S 19E 6						
MAXUS FEDERAL 23-8			GRRV					
4301331196	10800	09S 17E 8						
TOTALS								

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.
Date: _____
Name and Signature: _____ Telephone Number: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

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EQUITABLE RESOURCES ENERGY
1601 LEWIS AVE
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
COYOTE FEDERAL 21-5								
4304732260	11500 08S 25E 5		GRRV					
COYOTE FEDERAL 13-5								
4304732261	11500 08S 25E 5		GRRV					
FEDERAL 22-10Y								
4301331395	11501 09S 17E 10		GRRV					
FEDERAL 41-21Y								
4301331392	11505 09S 16E 21		GRRV					
FEDERAL 44-14Y								
4304732438	11506 09S 17E 14		GRRV					
FEDERAL 21-13Y								
4301331400	11510 09S 16E 13		GRRV					
FEDERAL 21-9Y								
4301331396	11513 09S 16E 9		GRRV					
MONUMENT FEDERAL 21-17								
4301331387	11528 09S 17E 17		GRRV					
FEDERAL 44-8E								
4301331398	11529 09S 17E 8		GRRV					
FEDERAL 21-25Y								
4301331394	11530 09S 16E 25		GRRV					
MONUMENT FEDERAL 13-8E								
4301331382	11574 09S 17E 8		GRRV					
MONUMENT FEDERAL 38-8E								
4301331427	11613 09S 17E 8		GRRV					
MONUMENT FEDERAL 43-7E								
4301331432	11616 09S 17E 7		GRRV					
TOTALS								

REMARKS: _____

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Signature: _____

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STATE OF UTAH
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1601 LEWIS AVE
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 11-25								
4304732455 11625 08S 17E 25			GRRV					
MONUMENT FEDERAL 31-17								
4301331428 11635 09S 17E 17			GRRV					
MONUMENT FEDERAL 22-17								
4301331429 11638 09S 17E 17			GRRV					
BALCRON MONUMENT FEDERAL 22-17								
4301331431 11640 09S 17E 17			GRRV					
ALLEN FEDERAL 31-6G								
4301331442 11642 09S 17E 6			GRRV					
BALCRON FEDERAL 41-19Y								
4304732504 11651 09S 18E 19			GRRV					
BALCRON MONUMENT STATE 14-2								
4301331425 11656 09S 17E 2			GRRV					
FEDERAL 44-4Y								
4301331452 11679 09S 17E 4			GRRV					
FEDERAL 31-5Y								
4304732503 11680 09S 18E 5			GRRV					
BALCRON MONUMENT FEDERAL 21-25								
4304732528 11683 08S 17E 25			GRRV					
MONUMENT FEDERAL 41-17								
4301331466 11692 09S 17E 17			GRRV					
MONUMENT FEDERAL 12-25								
4304732526 11694 08S 17E 25			GRRV					
MONUMENT FEDERAL 24-17								
4301331467 11698 09S 17E 17			GRRV					
TOTALS								

COMMENTS: _____

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Name and Signature: _____

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STATE OF UTAH
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355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

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MONTHLY OIL AND GAS PRODUCTION REPORT

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EQUITABLE RESOURCES ENERGY
1601 LEWIS AVE
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name PI Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 32-17						
4301331465 11704 09S 17E 17	GRRV					
MONUMENT FEDERAL 32-25						
4304732524 11707 08S 17E 25	GRRV					
MONUMENT FEDERAL 31-25						
4304732530 11710 08S 17E 25	GRRV					
BALCRON FEDERAL 12-22Y						
4301331476 11717 08S 17E 22	GRRV					
MONUMENT FEDERAL 33-25						
4304732525 11729 08S 17E 25	GRRV					
MONUMENT FEDERAL 23-25						
4304732529 11730 08S 17E 25	GRRV					
BALCRON MONUMENT STATE 24-2						
4304732612 11736 09S 17E 2	GRRV					
BALCRON MONUMENT STATE 13-2						
4301331482 11738 09S 17E 2	GRRV					
BALCRON MONUMENT STATE 22-2						
4304732610 11742 09S 17E 2	GRRV					
BALCRON MONUMENT STATE 12-2						
4301331481 11745 09S 17E 2	GRRV					
BALCRON FEDERAL 31-19Y						
4304732614 11751 09S 18E 19	GRRV					
BALCRON FEDERAL 42-19Y						
4304732616 11756 09S 18E 19	GRRV					
BALCRON FEDERAL 12-20Y						
4304732617 11758 09S 18E 20	GRRV					
TOTALS						

REMARKS:

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Telephone Number: _____

ENTITY ACTION FORM - FORM 6

OPERATOR EQUITABLE RESOURCES ENERGY
ADDRESS BALCRON OIL DIVISION

OPERATOR ACCT. NO. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

Title

2-22-96

Date

Phone No. ()

**EQUITABLE RESOURCES
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860**★FAX TRANSMITTAL★****FAX NO.: (406) 245-1365**

TO: NAME: Leesha
COMPANY: Utah, Division of Oil, Gas, & Mining
DATE: 02-21-96
FAX #:

FROM: Molly Conrad
Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
Phone: (406) 259-7860 ext 236

TOTAL # OF PAGES 2
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

TELECOMMUNICATOR: mmc

SPECIAL INSTRUCTIONS:

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.

Thanks for your help!!

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✓ A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (SI)	Green River	ML-3453	43-013-15582	660' FSL, 560' FWL		Beluga
✓ Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31388	660' FSL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31485	1880' FNL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
✓ D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 885' FWL		Beluga
✓ DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (SI)	Green River	U-44430	43-013-30889	2059' FSL, 0584' FEL	Vernal	Beluga
✓ Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	Oil	Green River	U-3563	43-013-30332	636' FNL, 2186' FEL	Vernal	Beluga
✓ Maas Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
✓ Macon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 683' FEL	Vernal	Beluga
✓ Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187' FWL	Vernal	Beluga
✓ Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga
✓ Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL		Beluga
✓ Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL		Beluga
✓ Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578	1980' FSL, 1980' FWL		Beluga
✓ Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Vernal	Beluga
✓ Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Vernal	Beluga
✓ Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778	660' FSL, 1980' FEL	Vernal	Beluga
✓ Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777	1958' FSL, 711' FEL	Vernal	Beluga
✓ POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505	1980' FSL, 1980' FEL	Vernal	Beluga
✓ POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506	660' FSL, 660' FWL	Vernal	Beluga
✓ POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Vernal	Beluga
✓ Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30562	660' FNL, 1980' FWL		Beluga

N4940-Enserch Explor. Inc.
(Open. chg. in Progress)

N8395-Prod. Recovery Corp.
(Open. chg. in Progress)

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF EQUITABLE	:	ACTION
RESOURCES ENERGY COMPANY	:	
FOR ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-170
THE 44-7, 13-8, 24-8, 33-8, 1-8, 11-16,	:	
22-16, 13-16, 11-17, POMCO #5,	:	
22-17, 31-17, 42-17, AND 33-17	:	
WELLS LOCATED IN SECTIONS 7, 8,	:	
16 AND 17, TOWNSHIP 9 SOUTH,	:	
RANGE 17 EAST, S.L.M., DUCHESNE	:	
COUNTY, UTAH, AS CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

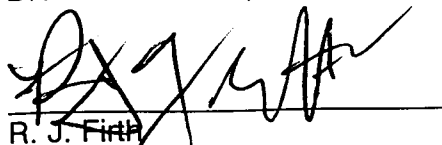
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Equitable Resources Energy Company for administrative approval of the 44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, Pomco #5, 22-17, 31-17, 42-17, and 33-17 wells, located in Section 7, 8, 16 and 17, Township 9 South, Range 17 East, SLM, Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 3190 feet to 5596 feet (Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 1856 PSIG with a maximum rate of 500 BWPD.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of April 1996.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



R. J. Firth
Associate Director, Oil & Gas

**Equitable Resources Energy Company
44-7, 13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, Pomco #5,
22-17, 31-17, 42-17, and 33-17 Wells
Cause No. UIC-170**

Publication Notices were sent to the following:


Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, Montana 59102-4126

U.S. Environmental Protection Agency
Region VIII
Attn. Dan Jackson
999 18th Street
Denver, Colorado 80202-2466



Lorraine Platt
Secretary
April 2, 1996



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 2, 1996

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-170

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Larraine Platt
Secretary

Enclosure





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 2, 1996

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Re: Notice of Agency Action - Cause No. UIC-170

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Larraine Platt

Larraine Platt
Secretary

Enclosure



143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Wspaper Agency Corporation
The Salt Lake Tribune DESERET NEWS

CUSTOMER'S
COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	04/11/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL488200561
SCHEDULE	
START 04/11/96 END 04/11/96	
CUST. REF. NO.	
UIC-170	
CAPTION	

COPY

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-170
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF EQUITABLE RESOURCES
ENERGY COMPANY FOR ADMINISTRATIVE APPROVAL OF THE 44-7,
13-8, 24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, POMCO #5, 22-17,
31-17, 42-17, AND 33-17 WELLS LOCATED IN SECTIONS 7, 8, 16
AND 17, TOWNSHIP 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE
COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE
ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and
Mining (the "Division") is commencing an informal adjudicative
proceeding to consider the application of Equitable Resources
Energy Company for administrative approval of the 44-7, 13-8,
24-8, 33-8, 1-8, 11-16, 22-16, 13-16, 11-17, POMCO #5, 22-17, 31-
17, 42-17, and 33-17 wells located in Sections 7, 8, 16 and 17,
Township 9 South, Range 17 East, S.L.M., Duchesne County, Utah,
for conversion to Class II injection wells. The proceeding will be
conducted in accordance with Utah Admin. R. 649-10, Adminis-
trative Procedures.

The interval from 3190 feet to 5596 feet (Green River Forma-
tion) will be selectively perforated for water injection. The maxi-
mum requested injection pressure will be limited to 1856 PSIG
with a maximum rate of 500 BWPD.

Any person desiring to object to the application or other-
wise intervene in the proceeding, must file a written protest or
notice of intervention with the Division within fifteen days follow-
ing publication of this notice. If such a protest or notice of inter-
vention is received, a hearing will be scheduled before the
Board of Oil, Gas and Mining. Protestants and/or intervenors
should be prepared to demonstrate at the hearing how this
matter affects their interests.

DATED this 2nd day of April, 1996.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
R. J. Firth
Associate Director, Oil and Gas
48820050

NOTICE OF AGENCY ACTION CAUSE N

SIZE	
47 LINES	2.00 COLUMN
	RATE
	1.64
YES	AD CHARGES
	154.16
TOTAL COST	
154.16	

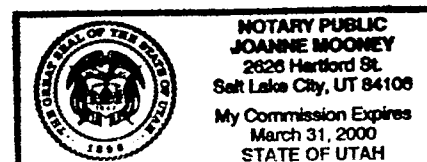
AFFIDAVIT OF PUBLICATION

CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED
ICE OF AGENCY ACTION CAUSE N FOR
IS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY
OR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS
SH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED
ALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 04/11/96 END 04/11/96

SIGNATURE

DATE 04/11/96



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.



EQUITABLE RESOURCES
ENERGY COMPANY

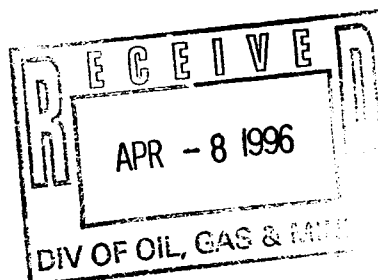
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:
See attached listing

6. If Indian, Allottee or Tribe Name:
n/a

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

10. Field and Pool, or Wildcat:
See attached listing

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature:

Bobbie Schuman
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1	LEP 7-SJ ✓
2	DES-FILE ✓
3	VLD (GIL) ✓
4	RJE ✓
5	LEP ✓
6	FILM ✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ~~XXX~~ **Operator Name Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	EQUITABLE RESOURCES ENERGY COEROM (former operator)	EQUITABLE RESOURCES ENERGY CO
(address)	1601 LEWIS AVE	(address) BALCRON OIL DIVISION
	BILLINGS MT 59102-4126	1601 LEWIS AVE
		BILLINGS MT 59102-4126
phone (406)	259-7860	phone (406) 259-7860
account no.	N9890	account no. N9890

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>013-31429</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Seleo Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- WDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04/0 BLM/BIA "Formal approval not necessary"

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 11 of 11

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location		OIL(BBL)				GAS(MCF)	WATER(BBL)	
✓ MAXUS FEDERAL 23-8					GRRV					
4301331196	11880	09S	17E	8						
✓ MONUMENT FEDERAL 13-8					GRRV					
4301331382	11880	09S	17E	8						
✓ MONUMENT FEDERAL 21-17					GRRV					
4301331387	11880	09S	17E	17						
✓ FEDERAL 14-8					GRRV					
4301331398	11880	09S	17E	8						
✓ MONUMENT FEDERAL 33-8					GRRV					
4301331427	11880	09S	17E	8						
✓ MONUMENT FEDERAL 31-17					GRRV					
01331428	11880	09S	17E	17						
✓ MONUMENT FEDERAL 22-17					GRRV					
4301331429	11880	09S	17E	17						
✓ BALCRON MONUMENT FEDERAL 12-17					GRRV					
4301331431	11880	09S	17E	17						
✓ MONUMENT FEDERAL 43-7					GRRV					
4301331432	11880	09S	17E	7						
✓ MONUMENT FEDERAL 32-17					GRRV					
4301331465	11880	09S	17E	17						
✓ MONUMENT FEDERAL 41-17					GRRV					
4301331466	11880	09S	17E	17						
✓ BALCRON MONUMENT FEDERAL 42-17					GRRV					
4301331467	11880	09S	17E	17						
TOTALS										

COMMENTS: _____

hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UTAH

Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 21, 1996

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Re: Application for Injection Wells
Sections 7, 8, 16 and 17
Township 9 South, Range 17 East
Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the following listed wells to Class II injection wells:

Monument State 22-16-9-17B
Monument State 13-16-9-17B
Monument State 33-17-9-17B
Balcron Monument Federal 42-17
Balcron Monument Federal 31-17
Balcron Monument Federal 22-17
Pomco 5
Paiute Federal 11-7
State NGC 11-16
Monument Butte Federal 1-8
Balcron Monument Federal 33-8
Paiute Federal 24-8
Balcron Monument Federal 13-8
Mocon Federal 44-7

Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.



Equitable Resources Energy Company
May 21, 1996
Page 2

2. Conformance with all conditions and requirements of the complete application submitted by Equitable Resources Energy Company.
3. Cement bond logs shall be run on the Monument Butte Federal 1-8, State NGC 11-16 and Pomco # 5 wells prior to conversion. Copies of the bond logs shall be submitted to the Division for review to determine if remedial cement work is necessary.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to be 'R.J. Firth', written over a horizontal line.

R.J. Firth
Associate Director

cc: Chuck Williams, Environmental Protection Agency
Bureau of Land Management, vernal

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
DECISION DOCUMENT**

Applicant: Equitable Resources **Location:** Belugu Unit

Wells: 44-7,13-8,24-8,33-8,1-8,11-16,22-16,13-16,11-17,Pomco#5,22-17,31-17,42-17 and 33-17

Ownership Issues: The proposed wells are located in sections 7, 8 and 16, township 9 south, range 17 east, Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. Equitable has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

Well Integrity: The 14 wells proposed for conversion to injection all have surface casing set at approximately 300 feet \pm 30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 5600 feet - 6000 feet, and were all cemented above the injection zone. The 1-8 and 11-16 wells are plugged and abandoned wells. The Pomco # 5 well is an old shut in producer, there are no cement bond logs on these three wells. Equitable has been notified that they must run bond logs on these wells and submit them to the Division prior to conversion. Cement bond logs are on file with the Division and verify reported cement tops on the other proposed injectors. The interval from 3190-5596 feet (Green River Formation) will be selectively perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 25 producing wells 5 plugged and abandoned wells, 5 shut in producers and 3 newly drilled wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. All of the plugged wells have adequate plugs. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

Ground Water Protection: The base of moderately saline water in the area of the project is at a depth of approximately 300-500 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field averages .87 psi/ft resulting in a maximum allowed surface pressure of 1975 psi. A maximum pressure of 1856 psig was requested and injection pressures for each of the injectors will be

maintained at this pressure. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

Oil/Gas & Other Mineral Resources Protection: Equitable Resources is the operator of the Belgu Unit. A unit agreement was previously formed, correlative rights issues were addressed before the Board of Oil, Gas and Mining when the matter was heard.

Bonding: Equitable is the operator of all wells within the project and is bonded by the Federal Government.

Actions Taken and Further Approvals Needed: These applications are for wells in an existing waterflood unit, previously supplied data and information along with newly submitted data supports a decision to approve the wells for conversion to injection. A public notice has been published in both the Salt Lake Tribune and the Uinta Basin Standard. The applications for the injection wells are technically complete. Cement bond logs need to be run on the 1-8, 11-16 and pomco #5 wells. A casing pressure test needs to be conducted when the well is converted and a casing/tubing pressure test run prior to injection. The casing tubing annulus needs to be pressured to 1000 psi and not 500 psi as stated in the permit. Following the 15 day comment period if no objections are received it is recommended to issue an approval to convert the wells and an injection permit. There are no special conditions or stipulations other than running the bond logs on the specified wells and the permit should be granted in accordance with the conditions set forth in the application.

DJJ
Reviewers

05-21-96
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406)259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW Section 17, T9S, R17E
1800' FNL, 1980' FWL

5. Lease Designation and Serial No.
UTU-72106

6. If Indian, Allottee or Tribe Name
n/a

7. If Unit or CA, Agreement Designation
Beluga Unit

8. Well Name and No.

Balcron Monument Fed. #22-17

9. API Well No.

43-013-31429

10. Field and Pool, or Exploratory Area
Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

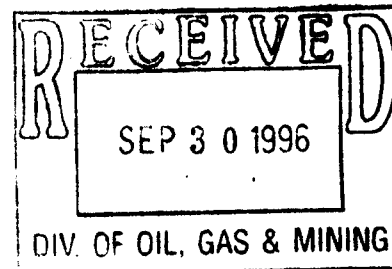
Additional perforations were added to the Green River Formation as follows:

4040' - 4042' 4 SPF
4052' - 4054'

The perforations were broken down as follows:

4040' - 4042' & 4052' - 4054' with 19 bbls 2% KCL water.

The well was put back on production on 2-27-96 at 4:00 p.m.



14. I hereby certify that the foregoing is true and correct

Signed

Molly Conrad

Title

Operations Secretary

Date

9-24-96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other WIW

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SE NW 17-T9S-R17E
1980' FNL, 1980' FWL

5. Lease Designation and Serial No.

U-72106

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Beluga Unit

8. Well Name and No.

Balc. Mon. Fed. # 22-17

9. API Well No.

43-013-31429

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne Co. Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other

request for approval to inject

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

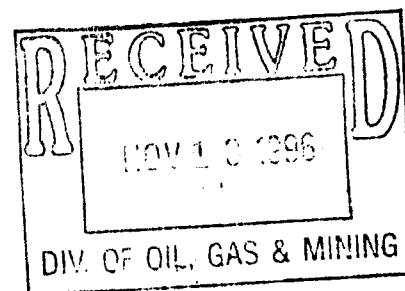
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well has been converted to a water injection well in accordance with the attached wellbore diagram and EPA Well Rework form. Water injection will commence when final approval has been received from the EPA, BLM, and Utah DOGM. This sundry notice is to request that approval to inject.

ORIGINAL: Bureau of Land Management (Vernal, UT) (Attention: Wayne Bankert)
COPY: Utah Division of Oil, Gas and Mining (Attention: Dan Jarvis)
COPY: U.S. EPA (Attention: Chuck Williams)



14. I hereby certify that the foregoing is true and correct

Signed

Dobbie Schuman

Title

Regulatory and Environmental Specialist

Date

November 12, 1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

WD tax credit denied - 9/97.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

WELL REWORK RECORD

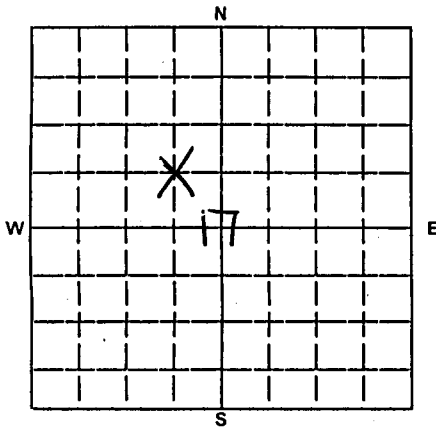
NAME AND ADDRESS OF PERMITTEE

Equitable Resources Energy Company
Western Region
1601 Lewis Avenue
Billings, MT 59102

NAME AND ADDRESS OF CONTRACTOR

Basin Well Service
Box 2876
Roosevelt, UT 84066

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT — 640 ACRES



STATE

UT

COUNTY

Duchesne County

PERMIT NUMBER

U-72106

SURFACE LOCATION DESCRIPTION

SE 1/4 OF NW 1/4 OF 1/4 SECTION 17 TOWNSHIP 9S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 1230 ft. from (N/S) N Line of quarter section
and 1980 ft. from (E/W) W Line of quarter section

UT 2795
043014

WELL ACTIVITY

- ☐ Brine Disposal
☒ Enhanced Recovery
☐ Hydrocarbon Storage

Lease Name

Beluga Unit

Total Depth Before Rework

5650' KB

Total Depth After Rework

5650' KB

Date Rework Commenced

10/16/96

Date Rework Completed

10/18/96

TYPE OF PERMIT

- ☐ Individual
☒ Area
Number of Wells _____

Well Number

Balcron Monument
Federal # 22-17

WELL CASING RECORD — BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
See Attached						

WELL CASING RECORD — AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
See Attached						

DESCRIBE REWORK OPERATIONS IN DETAIL

USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

Isolated individual zones + established in
Rates into each zone. Set Arrow set-1
packer @ 3903' KB, load annulus w/ 55 gal
Champion Cortron 2383 PKR fluid mixed w/
60 STB 2% KCL water.

Dual Laterolog Micro-SFL
Compensated Neutron
Litho Density
CBL IGR/CL

TD to Surface

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

John Zellitti
Senior Prod. Engr.

SIGNATURE

John Zellitti

DATE SIGNED

11-11-96



WELL NAME: BALCRON MONUMENT FED #22-17
FIELD: Monument Butte Field (Beluga Unit)
FEDERAL LEASE NO.: U-72106
LOCATION: SE NW Section 17, T9S, R17E
FOOTAGE: 1880' FNL, 1980' FWL
COUNTY/STATE: Duchesne County, Utah
WORKING INTEREST: 0.91491728
PRODUCING FORMATION: Green River
COMPLETION DATE: 6-17-94
INITIAL PRODUCTION: 35 BO, 10 BW
OIL/GAS PURCHASER: Amoco
PRESENT PROD STATUS: Producing
ELEVATIONS - GROUND: 5383' GL
TOTAL DEPTH: 5650'

DATE : 10/28/96 DZ

API NO.: 43-013-31429

NET REVENUE INTEREST: OIL : 0.80471769
GAS : 0.73108274

SPUD DATE: 5-20-94
OIL GRAVITY: 34 degrees
BHT:

KB: 5393' KB (10' KB)
PLUG BACK TD: 5581.62' KB

SURFACE CASING

STRING: 1
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

PRODUCTION CASING

STRING: 1
CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.8#
NO. OF JOINTS: 126 Jts (3891.72')
SEATING NIPPLE: 2-7/8" x 1.10'
ARROW SET 1 PACKER: 2-3/8"x5-1/2"x7.25'
PACKER LANDED AT: 3903' KB
PKR set W/ 9" (10,000#) Tension

PERFORATION RECORD

3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

LOGS: Dual Laterolog Micro-SFL; Compensated
Neutron-Litho-Density; Cement Bond,
Gamma Ray, Collar Log.

ACID JOB / BREAKDOWN JOB

3980' - 3983' & 3986' - 3995'	6/6/94	by Western w/2,142 gals 2% KCl wtr w/ ball sealers. Balled Off. ATP-4200 psi, Max-5000 psi. ATR-6 bpm, ISIP-900 psi.
4040' - 4042' & 4052' - 4054'	2/26/96	798 bbls 2% KCl water. Initial break at 1200 psi, at 2 bpm.

FRAC JOB

3980' - 3983' & 3986' - 3995'	6/7/94	by Western w/ 79,220# 16/30 sand w/ 31,000 gal 2% KCl gel, Flush w/ 3990 gal 2% KCl wtr, ATP-1840 psi, Max-2430 psi. ATR-29.9 bpm, Max-30.8 bpm. ISIP-1780 psi, 5min-1610 psi, 10min-1460 psi, 15min-1390 psi.
----------------------------------	--------	--

Before Rework



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON MONUMENT FED #22-17
SE NW 17, T9S, R17E
1880' ± 1980' FWL
Lease #U-72106
Monument Butte Field (Beluga Unit)
Duchesne County, Utah

Elev.GR - 5383' GL
Elev.KB - 5393' KB (10' KB)

WELLBORE DIAGRAM

DATE: 8/7/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 128 jts (3935.80')
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.75 ft) 9" tension
NO. OF JOINTS: 4 jts (119.51 ft)
SEATING NIPPLE: 2-7/8" x 1.10'
PERFORATED SUB: 2-7/8" x 3.2'
MUD ANCHOR: 2-7/8" x 30.45' w/ NC
TOTAL STRING LENGTH: 4092.81 ft (EOT @ 4102.8' KB)
SN LANDED AT: 4068.06' KB

SUCKER RODS

WELL LAST PULLED: 2/26/96
Recompletion

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 160 - 3/4 x 25' D-61 PLAIN
one - 1" x 2' Pony w/ guides
one - 1-1/2" x 25' K-Bar
one - 1" x 2' Pony w/ guides

TAL ROD STRING LENGTH: 4051'

PUMP NUMBER: Trico #1115
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
w/ SM plunger

STROKE LENGTH: 74"
PUMP SPEED, SPM: 4 SPM
PUMPING UNIT SIZE: CMI 160-173-74
SN: 507-S4208

PRIME MOVER: AJAX EA-30
SN: 73293

TANK SIZES & NUMBERS: 2-400 BBL, 12"x20' w/burners,
catwalk, & stairs.
Tank # 1 SN: 9D-881-09
Tank # 2 SN: 9A-84601-20

LOGS: Dual Laterolog Micro-SFL; Compensated
Neutron-Litho-Density; Cement Bond,
Gamma Ray, Collar Log.

ACID JOB /BREAKDOWN

3980' - 3983' 6/6/94 by Western w/2,142 gals 2%
& 3986' - 3995' KCl wtr w/ ball sealers. Balled Off.
ATP-4200 psi, Max-5000 psi.
ATR-6 bpm, ISIP-900 psi.
4040' - 4042' 2/26/96 798 bbls 2% KCl water. Initial
& 4052' - 4054' break at 1200 psi, at 2 bpm.

FRAC JOB

3980' - 3983' 6/7/94 by Western w/ 79,220# 16/30
& 3986' - 3995' sand w/ 31,000 gal 2% KCl gel,
Flush w/ 3990 gal 2% KCl wtr,
ATP-1840 psi, Max-2430 psi.
ATR-29.9 bpm, Max-30.8 bpm.
ISIP-1780 psi, 5min-1610 psi,
10min-1460 psi, 15min-1390 psi.

PERFORATION RECORD

Interval	Date	SPF	ft	Holes	Y2
3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

TOC @ 2735' KB

3980' - 3983'
3986' - 3995'

4040' - 4042'
4052' - 4054'

SN LANDED @ 4069' KB
EOT LANDED @ 4103' KB

PBTD @ 5582' KB
TD @ 5650' KB

Before Rework



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON MONUMENT FED #22-17
SE NW Sec.17, T9S, R17E
1880' FNL, 1980' FWL
Lease #U-72108
Monument Butte Field (Beluga Unit)
Duchesne County, Utah

Elev.GR - 5383' GL
Elev.KB - 5393' KB (10' KB)

Injection Wellbore Diagram

DATE: 10/28/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.8#
NO. OF JOINTS: 126 Jts (3891.72')
SEATING NIPPLE: 2-7/8" x 1.10'
ARROW SET 1 PACKER: 2-3/8"x5-1/2"x7.25'
PACKER LANDED AT: 3903' KB
PKR set W/ 9" (10,000#) Tension

CONVERSION: 1.) Tag fill @ 5545' KB
2.) TIH w/ RBP & PKR and pump filtered
KCL water to establish injection rate
into each zone.
3.) Replace 2-3/8" tbg with new 2-7/8" tbg
from Marta-Co.
4.) Pump PKR fluid and Set Arrow Set-1 PKR
@ 3903'. Press. test csg to 1000 psi. Good.

PACKER FLUID: Champion Cortron 2383 PKR fluid
mixed w/ 60 bbls 2% KCL water. 10/18/96

MIT RECORD:

365' KB

Uinta Formation Surface to 1450 ft.

TOC @ 2735' KB

PERFORATION RECORD

3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

Green River Formation 1450 to 5400 ft.

ARROW SET-1 PACKER
SET AT 3903' KB

3980' - 3983'
3986' - 3995'

4040' - 4042'
4052' - 4054'

Douglas Creek Member 4550 to 5400 ft.
Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5582' KB
TD @ 5650' KB

Wasatch Formation 5950 ft.

Post
Rework

**EREC Western Region
DAILY OPERATING REPORT**

MONUMENT FEDERAL #22-17

**Operator: EREC/Western Region
Location: SE NW Section 17, T9S, R17E
Duchesne County, Utah
Prospect: Monument Butte/Beluga Unit**

- 10/16/96 Re-Completion for Injection
MIRU Basin Well Service Rig #1. Could not unseat DHP. Flush csg 2/60 bbls 2% KCL wtr. Unseat DHP. Flush rods w/23 bbls hot wtr. Pull & LD 160 - 3/4" x 25' Plain rods, condition B. Unflange well head. NU BOP. Unseat tbg anchor. RIH w/15 jts tbg. SDFD due to high winds.
DC: \$2,868 CC: \$2,868
- 10/17/96 Re-Completion for Injection
Tag fill @ 5545' KB. TOOH w/tbg & BHA. TIH w/TS RBP, retrieving tool, 2-3/8" x 6' sub, HD pkr, SN & 132 jts tbg. Set BP @ 4090' KB, set pkr @ 4014' KB (Zone 4040' - 4054'). Pump 5 bbls @ 2 BPM @ 300 psi. ISIP 0 psi. Reset BP @ 4029' KB, pkr @ 3952' KB (Zone 3980' - 3985'). Pump 8 bbls @ 2 bpm @ 450 psi, ISIP @ 200 psi. Release pkr, release BP. TOOH w/tbg, pkr & BP. Tih w/Arrow Set-1 pkr, 2-3/8" x 2-7/8" Cross Over, & 46 jts 2-7/8" tbg. SWIFD.
DC: \$6,257 CC: \$9,125

*Bit for
your info*



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

November 20, 1996

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, Montana 59102

Re: Administrative Approval for Conversion of Wells to Class II Injection Wells, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells:

Monument State 22-16-9-17B
Monument State 33-17-9-17B
Balcron Monument Federal 31-17
Pomco 5
State NGC 11-16
Balcron Monument Federal 33-8
Balcron Monument Federal 13-8

Monument State 13-16-9-17B
Balcron Monument Federal 42-17
Balcron Monument Federal 22-17
Paiute Federal 11-7
Monument Butte Federal 1-8
Paiute Federal 24-8
Mocon Federal 44-7

Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Equitable Resources Energy Company.



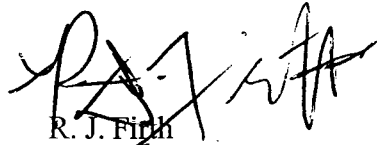
Page 2

Equitable Resources Energy Company

November 20, 1996

Enclosed with this letter is the Underground Injection Control Permit for this well. If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', is written over a printed name.

R. J. Firth

Associate Director

lwp

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-170

Operator: Equitable Resources Energy Company

Wells: Monument State 22-16-9-17B
Monument State 13-16-9-17B
Monument State 33-17-9-17B
Balcron Monument Federal 42-17
Balcron Monument Federal 31-17
Balcron Monument Federal 22-17
Pomco 5
Paiute Federal 11-7
State NGC 11-16
Monument Butte Federal 1-8
Balcron Monument Federal 33-8
Paiute Federal 24-8
Balcron Monument Federal 13-8
Mocon Federal 44-7

Location: Sections 7,8,16 and 17, Township 9 South, Range 17
East,
County: Duchesne

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on
May 21, 1996

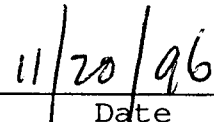


2. Maximum Allowable Injection Pressure: 1856 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 3190 feet to 5596 feet (Green River Formation)

Approved by:



R.J. Firth
Associate Director, Oil and Gas



Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached list

5. Lease Designation and Serial No.

See attached list

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Beluga Unit

8. Well Name and No.

See attached list

9. API Well No.

See attached list

10. Field and Pool, or Exploratory Area

Mon. Butte/Grn. River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☒ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Bulcrion Monument Federal #22-17 has been converted to water injection for secondary recovery of remaining oil reserves. The well was treated with 5 gallons of claymaster and 10 gallons of 940 surfactant mixed with 75 barrels of 25 KCl water at a temperature of approximately 160°F to clear the wellbore and formation of residual oil. The well was then placed on injection at a rate of approximately 150 STB/WD.

Water injection commenced on December 3, 1996.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining
COPY: U.S. Environmental Protection Agency (UIC Section)

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Regulatory and
Environmental Specialist

Date January 13, 1997

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Sheet1

Field	Status	Formation	Federal Lease #	APT #	Footages	UNIT
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8 9S 17E Duchesne	UT Oil	Green River	UTU-74108
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17 9S 17E Duchesne	UT Oil	Green River	UTU-72106
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17 9S 17E Duchesne	UT Oil	Green River	UTU-72106
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8 9S 17E Duchesne	UT Oil	Green River	UTU-74108
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17 9S 17E Duchesne	UT Oil	Green River	UTU-72106
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7 9S 17E Duchesne	UT Oil	Green River	UTU-72106
Monument Federal #23-17-9-17B	Monument Butte	NE SW	17 9S 17E Duchesne	UT OIL	Green River	UTU-74108
Mocon Federal #44-7	Monument Butte	SE SE	7 9S 17E Duchesne	UT Oil	Green River	U-3563-A
Monument Federal #33-17-9-17B	Monument Butte	NW SE	17 9S 17E Duchesne	UT COMPL	Green River	U-72106
Monument Federal #44-8-17B	Monument Butte	SE SE	8 9S 17E Duchesne	UT PND	Green River	U-74398
Monument State #11-16-9-17B (Re-entry)	Monument Butte	NW NW	16 9S 17E Duchesne	UT DRLG	Green River	State ML-21844
Monument State #13-16-9-17B	Monument Butte	NW SW	16 9S 17E Duchesne	UT SI	Green River	State ML-3453-B
Monument State #22-16-9-17B	Monument Butte	SE NW	16 9S 17E Duchesne	UT SI	Green River	State ML-3453-B
Paiute Federal #11-17	Monument Butte	NW NW	17 9S 17E Duchesne	UT Oil	Green River	U-3563-A
Paiute Federal #24-8	Monument Butte	SE SW	8 9S 17E Duchesne	UT Oil	Green River	UTU-74108
POMCO #5	Monument Butte	NW SW	17 9S 17E Duchesne	UT Oil	Green River	UTU-74108

1-10-97/20

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages:

See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature:

Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #22-20Y	SE NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32711-00	UTU64917	
✓ BALCRON FEDERAL #41-19Y	NENE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32504-00	UTU65635	
✓ MONUMENT FEDERAL #43-19Y	NE SE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32730-00	UTU65635	
✓ MONUMENT FEDERAL #14-21Y	SW SW 219S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32726-00	UTU68105	
✓ A. ANDERSON STATE #1-16	SW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-15582-00		UTU75023X
✓ D. DUNCAN STATE #16-5	SWNW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30570-00		UTU75023X
✓ DMD FEDERAL #17-1	NE SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30689-00		UTU75023X
✓ FEDERAL #1-18	NWNE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30332-00		UTU75023X
✓ MAXUS FEDERAL #23-8	NESW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31196-00		UTU75023X
✓ MONUMENT BUTTE FED. #12-17	SWNW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31431-00		UTU75023X
✓ MONUMENT BUTTE FED. #14-8	SWSW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31398-00		UTU75023X
✓ MONUMENT BUTTE FED. #21-17	NENW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31387-00		UTU75023X
✓ MONUMENT BUTTE FED. #32-17	SWNE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31465-00		UTU75023X
✓ MONUMENT BUTTE FED. #41-17	NENE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31466-00		UTU75023X
✓ MONUMENT BUTTE FED. #43-7	NESE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31432-00		UTU75023X
✓ MONUMENT FEDERAL #23-17B	NE SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31582-00	UTU74108	UTU75023X
✓ MONUMENT STATE #23-16B	NE SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31578-00		UTU75023X
✓ PAIUTE FEDERAL #34-8	SWSE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30778-00		UTU75023X
✓ PAIUTE FEDERAL #43-8	NESE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30777-00		UTU75023X
✓ POMCO #2	NWSE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30505-00		UTU75023X
✓ POMCO #4	NWSW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30506-00		UTU75023X
✓ SUE MORRIS #16-3	NENW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30562-00		UTU75023X
✓ MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
✓ MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
✓ MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
✓ MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
✓ MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
✓ MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844 Beluga	UTU75023X
✓ MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145	UTU75023X
✓ MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
✓ MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
✓ MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
✓ MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
✓ PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
✓ PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
✓ POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
✓ BALCRON FEDERAL #12-10Y	SW NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31536-00	UTU65210	
✓ BALCRON FEDERAL #21-10Y	NE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31537-00	UTU65210	
✓ BALCRON FEDERAL #22-10Y	SE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31395-00	UTU65210	

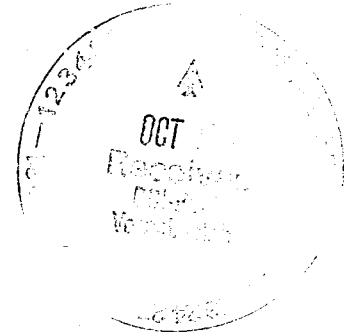


RECEIVED

OCT 10 1997

October 7, 1997

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078



RE: Change of Operator
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

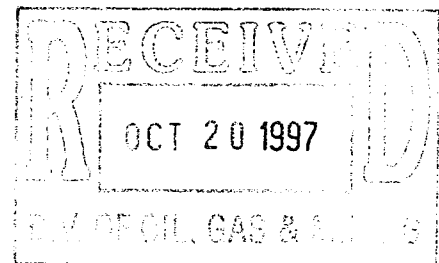
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.



RECEIVED
OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED
OCT 13 1997

Well name and number: See Attached **BELUGA (GREEN RIVER) UNIT**
Field or Unit name: See Attached API no. See Attached
Well location: QQ See Attached section See Attached township See Attached range See Attached county See Attached
Effective Date of Transfer: September 30, 1997

CURRENT OPERATOR

Transfer approved by:

Name David M. McCoskery Company Equitable Resources Energy Co.
Signature [Signature] Address 1601 Lewis Avenue
Title Director of Operations & Engineering Billings, MT 59102
Date 9-30-97 Phone (406) 259-7860

Comments:

NEW OPERATOR

Transfer approved by:

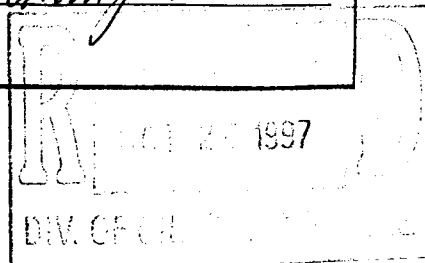
Name Chris A. Potter Company Inland Production Company
Signature [Signature] Address 475 - 17th Street, Suite 1500
Title CHRIS A. POTTER, ATTORNEY-IN-FACT Denver, CO 80202
Date 9-30-97 Phone (303) 292-0900

Comments:

(State use only)

Transfer approved by [Signature] Title Manager

Approval Date 3-19-98



Injection wells

✓ MONUMENT BUTTE STATE #14-2	SW SW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31425-00	UTU45555	
✓ MONUMENT BUTTE STATE #22-2	SE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32610-00	UTU45555	
✓ MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
✓ MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
✓ MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
✓ MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
✓ MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
✓ MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844	UTU75023X
✓ MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145 mL3453B	UTU75023X
✓ MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
✓ MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
✓ MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
✓ MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
✓ PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
✓ PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
✓ POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
✓ PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-REC <i>[initials]</i>	6-LEC <i>[initials]</i>
2-GLH <i>[initials]</i>	7-KAS <i>[initials]</i>
3-FBS <i>[initials]</i>	8-SI <i>[initials]</i>
4-VLD <i>[initials]</i>	9-FILE <i>[initials]</i>
5-JRB <i>[initials]</i>	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator) INLAND PRODUCTION CO.
 (address) PO BOX 1446
ROOSEVELT UT 84066

Phone: (435) 722-5103
 Account no. N5160

FROM: (old operator)
 (address)

EQUITABLE RESOURCES ENERGY
C/O CRAZY MTN O&G SVS'S
PO BOX 577
LAUREL MT 59044
 Phone: (406) 628-4164
 Account no. N9890

WELL(S) attach additional page if needed:

*BELUGA (GREEN RIVER) UNIT

Name: **SEE ATTACHED**	API: <u>43-113-31429</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- [initials]* 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 3-10-97)*
- [initials]* 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-20-97)*
- [initials]* 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- [initials]* 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- [initials]* 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(3-11-98) *Quattro Pro & DBASE (WIC) 3-11-98.*
- [initials]* 6. **Cardex** file has been updated for each well listed above. *(3-11-98)*
- [initials]* 7. Well **file labels** have been updated for each well listed above. *(3-11-98)*
- [initials]* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(3-11-98)*
- [initials]* 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A Yes 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) Trust Lands - 80,000 Surety "Hartford Acc. & Indemnity Co."

- N/A Yes 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- N/A Yes 2. A **copy of this form** has been placed in the new and former operator's bond files.
- N/A Yes 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- Yes 1. Copies of documents have been sent on 3-11-98 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A Yes 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 4.14.98.

FILING

- ____ 1. **Copies** of all attachments to this form have been filed in each **well file**.
- ____ 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

980311 Blm/SL Apr. 3-2-98.

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31384	22-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31492	11-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE RE	43-047-20252	E. RED WASH	08S	25E	5	INJW	N
EQUITABLE RE	43-047-20261	ERW 4-6	08S	25E	6	INJW	Y
EQUITABLE RE	43-047-32346	42-6X	08S	25E	6	INJW	N
EQUITABLE RE	43-047-20245	AMERADA GUIN	08S	25E	7	INJW	Y
EQUITABLE RE	43-013-30666	44-7	09S	17E	7	INJW	Y 11880
EQUITABLE RE	43-013-31382	13-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	43-013-31427	33-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	43-013-30675	24-8	09S	17E	8	INJW	Y 11880
EQUITABLE RE	43-013-30643	44-8-17B	09S	17E	8	INJW	Y 1523
EQUITABLE RE	43-013-31580	13-16-9-17B	09S	17E	16	INJW	Y 11880
EQUITABLE RE	43-013-30616	11-16-9-17B	09S	17E	16	INJW	Y 6130
EQUITABLE RE	43-013-31145	22-16-9-17B	09S	17E	16	INJW	Y 11880
EQUITABLE RE	43-013-30518	11-17	09S	17E	17	INJW	Y
EQUITABLE RE	43-013-30499	POMCO 5	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-30516	11-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31428	31-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31581	33-17-9-17B	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31429	22-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-013-31467	42-17	09S	17E	17	INJW	Y 11880
EQUITABLE RE	43-047-32610	22-2	09S	17E	2	INJW	Y
EQUITABLE RE	43-013-31425	14-2	09S	17E	2	INJW	Y
GIANT EXPLOR	43-037-15042	GOTHIC MESA	41S	23E	16	INJD	Y
GIANT EXPLOR	43-037-20292	SENTINEL PEA	41S	26E	27	INJD	Y
GIANT EXPLOR	43-037-16452	9-24	41S	23E	9	INJI	Y
HAY HOT OIL	43-037-30521	MCCRACKEN PT	40S	23E	19	INJI	N
INLAND PRODU	43-013-30843	MONUMENT BUT	08S	16E	34	INJW	Y
INLAND PRODU	43-013-31559	15-25	08S	16E	25	INJW	N
INLAND PRODU	43-013-30693	FEDERAL 3-33	08S	16E	33	INJW	N
INLAND PRODU	43-013-30808	FED 1-34	08S	16E	34	INJW	N
INLAND PRODU	43-013-30686	FEDERAL 5-35	08S	16E	35	INJW	N
INLAND PRODU	43-013-30606	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30745	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31514	1A-35	08S	16E	35	INJW	Y
INLAND PRODU	43-013-30605	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-31264	MONUMENT FED	08S	16E	35	INJW	N
INLAND PRODU	43-013-30608	MONUMENT BUT	08S	16E	35	INJW	N
INLAND PRODU	43-013-30624	STATE 5-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30592	STATE 1-36	08S	16E	36	INJW	N
INLAND PRODU	43-013-30787	12-32	08S	17E	32	INJW	Y
INLAND PRODU	43-013-30779	FED 15-28	08S	16E	28	INJW	N
INLAND PRODU	43-013-31372	14A-28	08S	16E	28	INJW	N



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

March 2, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Beluga (Green River) Unit
Duchesne County, Utah

Gentlemen:

On February 26, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Beluga (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 2, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Beluga (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Beluga (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Beluga (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron/Fluid Chron
UT931:TAThompson:tt:3/2/98

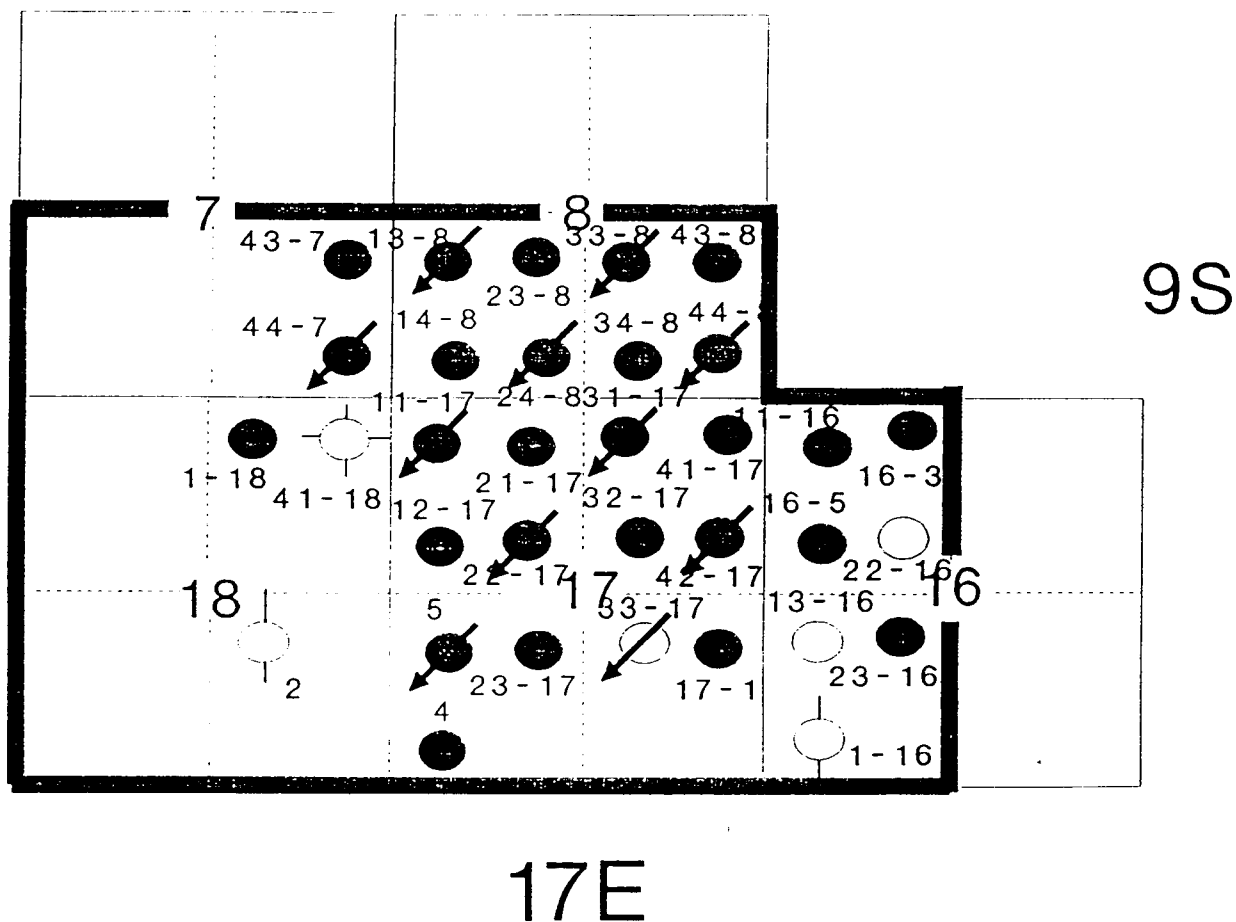
Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU75023X								
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16 STATE-NGC	NWNW	16	T 9S	R17E	ABD (wiw)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330516	11-17 PIUTE-FEDERAL	NWNW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331431	12-17	SWNW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331580	13-16-9-17B	NWSW	16	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331382	13-8 MONUMENT FED	NWSW	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331398	14-8 MONUMENT FED	SWSW	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330562	16-3 MORRIS SUE	NENW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330570	16-5 DUNCAN-STATE	SWNW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU44430	4301330689	17-1 FEDERAL-DMD	NESE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330505	2 POMCO	NWSE	18	T 9S	R17E	TA	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331387	21-17 MONUMENT FED	NENW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331145	22-16-9-17B	SENW	16	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331429	22-17 MONUMENT FED	SENW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331578	23-16-9-17B	NESW	16	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331582	23-17-9-17B	NESW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331196	23-8 MAXUS-FEDERAL	NESW	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330675	24-8 PIUTE-FEDERAL	SESW	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331428	31-17 MONUMENT BUTTE	NWNE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331465	32-17	SWNE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331581	33-17-9-17B	NWSE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331427	33-8 MONUMENT FED	NWSE	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330778	34-8 PAIUTE	SWSE	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330506	4 POMCO	SWSW	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331466	41-17	NENE	17	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331399	41-18 BALCROW FED	NENE	18	T 9S	R17E	ABD (PA)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331467	42-17	SENE	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331432	43-7 MONUMENT BUTTE	NESE	7	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330777	43-8 PAIUTE	NESE	8	T 9S	R17E	POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330666	44-7 MOCOW-FEDERAL	SESE	7	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74398	4301330643	44-8-9-17	SESE	8	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330499	5 POMCO	NWSW	17	T 9S	R17E	WIW	EQUITABLE RESOURCES ENERGY CO

BELUGA (GREEN RIVER) UNIT

DUCHESNE COUNTY, UTAH

EFFECTIVE: FEBRUARY 1, 1996



— UNIT OUTLINE (UTU75023X)
2,223.13 ACRES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. UTU-72106	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		7. UNIT AGREEMENT NAME MONUMENT BUTTE UNIT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE/NW 1800 FNL 1980 FWL		8. FARM OR LEASE NAME MONUMENT FEDERAL 22-17	
14. API NUMBER 43-013-31429		9. WELL NO. Federal 22-17	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5384 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/NW Section 17, T09S R17E	
		12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) STEP RATE TEST	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On May 5, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the Monument Federal #22-17 injection well in the Beluga Unit. Due to the results of the attached SRT Inland is requesting approval to increase our Maximum Allowable Injection pressure on the #22-17 injection well to 1918 psi.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 5/13/99

By: 

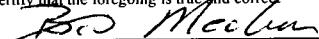
Operations Manager

DATE

5-6-99
4/29/99

18 I hereby certify that the foregoing is true and correct

SIGNED


Brad Mecham

TITLE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MIDNIGHT

6 AM

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-2500

Inland

METER

5/5/99

5/5/99

CHART PUT ON

7:55 A

M

TAKEN OFF

4:15 P

M

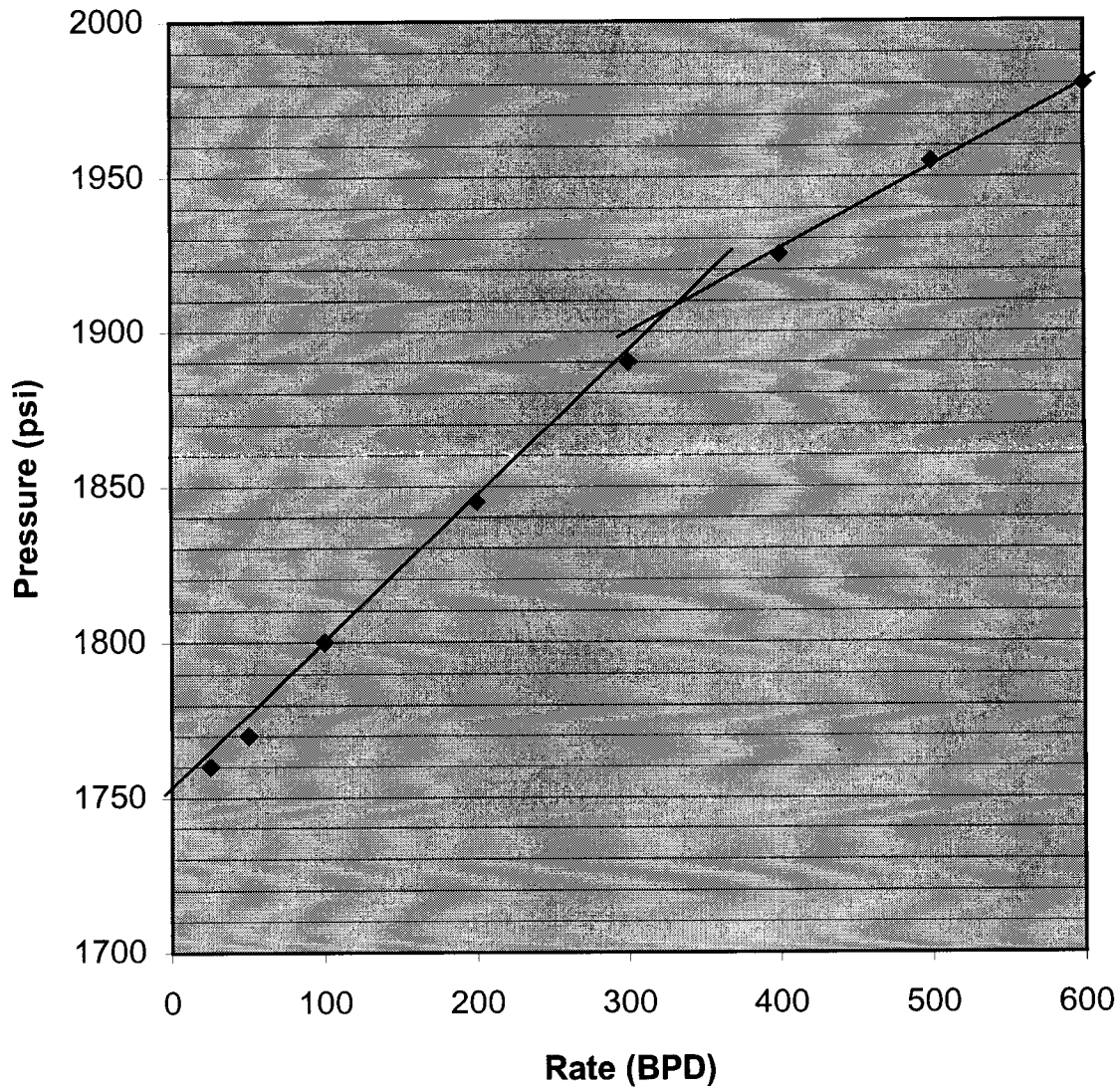
LOCATION BMF 22-17-9-17

REMARKS

S.R.T.

RL.

Monu. nt Federal 22-17-9-17
(Beluga unit)
Step Rate Test
May 5, 1999



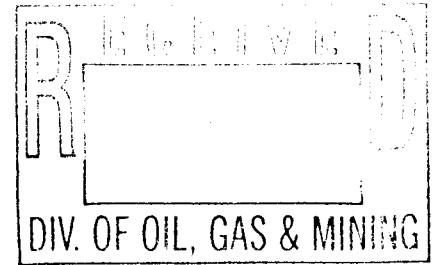
ISIP: 1980 psi

Fracture pressure: 1918 psi

Step	Rate(bpd)	Pressure(psi)
1	25	1760
2	50	1770
3	100	1800
4	200	1845
5	300	1890
6	400	1925
7	500	1955
8	600	1980



May 6, 1999



State of Utah
Division of Oil, Gas & Mining
Attn: Dan Jarvis
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Dan:

Please find enclosed Step Rate Tests (SRT) results on the Monument Federal #22-17 injection well. The SRT was conducted by Inland Production Company on May 5, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 1918 psi for the Monument Federal #22-17 in the Beluga Unit. The Step Rate Test has been also submitted to Mr. Edwin Hogle with the Environmental Production Agency.

Thank you for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

Sincerely,

Brad Mecham
Operations Manager

Enclosures

cc: Environmental Protection Agency

/bm

**Approved by the
Utah Division
Oil, Gas and M**

COPY SENT TO OPERATOR

Date:

By:

Date:

By:

5/13/99

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. UTU-72106	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection		7. UNIT AGREEMENT NAME BELUGA	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME MONUMENT FED 22-17-9-17	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. WELL NO. MONUMENT FED 22-17-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements * See also space 17 below.) At surface SE/NW Section 17, T09S R17E 1800 FNL 1980 FWL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE/NW Section 17, T09S R17E	
14. API NUMBER 43-013-31429	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5384 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <input checked="" type="checkbox"/> 5 Year MIT	
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A 5 year MIT was conducted on the subject well. On 10/2/01 Mr. Al Craver w/ EPA and Mr. Dennis Ingram w/ State DOGM was notified of the intent to conduct a MIT the casing. On 10/10/01 the casing was pressured to 1080 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test. The well is shut in and waiting on permission to inject.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 10-15-01
By: *[Signature]*

18 I hereby certify that the foregoing is true and correct

SIGNED *Krishna Russell*
Krishna Russell

TITLE

Production Clerk

DATE

10/11/01

cc: BLM

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 10 / 10 / 01
Test conducted by: Brent Cook
Others present: _____

Well Name: <u>BMF 22-17-9-17</u>	Type: ER SWD	Status: AC TA UC	
Field: <u>Beluga</u>			
Location: <u>22</u>	Sec: <u>17</u>	T: <u>9</u>	N / S R <u>17</u> E / W County: <u>Duch</u> State: <u>UT</u>
Operator: <u>Inland Production</u>			
Last MIT: <u>11 / 13 / 96</u>	Maximum Allowable Pressure: <u>1918</u>		PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☒ Yes ☐ No If yes, rate: 24 bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial pressure	<u>1880</u> psig	psig	psig	psig
End of test pressure	<u>1880</u> psig	psig	psig	psig
CASING/TUBING ANNULUS PRESSURE				
0 minutes	<u>1080</u> psig	psig	psig	psig
5 minutes	<u>1080</u> psig	psig	psig	psig
10 minutes	<u>1080</u> psig	psig	psig	psig
15 minutes	<u>1080</u> psig	psig	psig	psig
20 minutes	<u>1080</u> psig	psig	psig	psig
25 minutes	<u>1080</u> psig	psig	psig	psig
30 minutes	<u>1080</u> psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
_____ minutes	psig	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Signature of Witness: _____

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff: _____ Date: / /

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why?

Possible violation identified? ☐ YES ☐ NO

If YES, what _____

If YES - followup initiated? ☐ YES

☐ NO - why not? _____

[] Data Entry

☐ Compliance Staff

[] 2nd Data Entry

☐ Hardcopy Filing

GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-2500

METER

CHART PUT ON

3:00 P.M.

TAKEN OFF

3:30 P.M.

LOCATION

BME 22-17-9-17

REMARKS

EPA# UT2798-04314

NOON



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:		State : UTAH

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
 Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
 Phone: (303) 893-0102
 Comments:

Name: Brian Harris
 Signature: *Brian Harris*
 Title: Engineering Tech.
 Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
 Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
 Phone: _____
 Comments:

Name: Brian Harris
 Signature: *Brian Harris*
 Title: Engineering Tech.
 Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*

Title: *Public Services Manager*

Approval Date: *9-20-04*

Comments:

Note: Indian Country wells will require EPA approval.

RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING	
1. GLH	
2. CDW	
3. FILE	

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.**Unit:****BELUGA (GREEN RIVER)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MONUMENT FED 43-7	07	090S	170E	4301331432	11880	Federal	OW	P
BELUGA 15-7-9-17	07	090S	170E	4301331579	11880	Federal	OW	P
BELUGA 10-7-9-17	07	090S	170E	4301332048	11880	Federal	WI	A
BELUGA 14-7-9-17	07	090S	170E	4301332049	11880	Federal	WI	A
MON FED 33-8	08	090S	170E	4301331427	11880	Federal	WI	A
MON ST 23-16-9-17B	16	090S	170E	4301331578	11880	State	OW	P
MON ST 13-16-9-17B	16	090S	170E	4301331580	11880	State	WI	A
MON FED 31-17	17	090S	170E	4301331428	11880	Federal	WI	A
MON FED 22-17	17	090S	170E	4301331429	11880	Federal	WI	A
BALCRON MON FED 12-17	17	090S	170E	4301331431	11880	Federal	OW	P
MONUMENT FED 32-17	17	090S	170E	4301331465	11880	Federal	OW	P
MONUMENT FED 41-17	17	090S	170E	4301331466	11880	Federal	OW	P
BALCRON MON FED 42-17	17	090S	170E	4301331467	11880	Federal	WI	A
MON FED 33-17-9-17B	17	090S	170E	4301331581	11880	Federal	WI	A
MON FED 23-17-9-17B	17	090S	170E	4301331582	11880	Federal	OW	P
BELUGA 3-18-9-17	18	090S	170E	4301332050	11880	Federal	OW	P
BELUGA 7-18-9-17	18	090S	170E	4301332051	11880	Federal	OW	TA
BELUGA 8-18-9-17	18	090S	170E	4301332052	11880	Federal	WI	A
BELUGA 9-18-9-17	18	090S	170E	4301332053	11880	Federal	OW	P
BELUGA U 4-18-9-17	18	090S	170E	4301332274	11880	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If **NO**, the operator was contacted on:

- 6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-72106

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
BELUGA UNIT

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:
MON 22-17-9-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331429

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1800 FNL 1980 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 17, T9S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 10/02/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/26/06 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above well. Permission was give to that time to perform the test on 09/28/06. On 09/28/06 the csg was pressured up to 1160 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbq pressure was 1755 psig during the test there were EPA representatives available to witness the test. EPA# UT 20798-04314.
API# 43-013-31429

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 10/03/2006

(This space for State use only)

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OCT 04 2006

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 09/28/2006
Test conducted by: Trefley J. Raza
Others present: _____

Well Name: <u>Duckhorn Monument Fed. 22-17-9-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>MONUMENT BUTTE</u>			
Location: <u>SE/NW</u> Sec: <u>17</u> T <u>9</u> N <u>10</u> R <u>17</u> E <u>10</u> W		County: <u>Duckhorn</u> State: <u>UT</u>	
Operator: <u>NEWFIELD</u>			
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☐ Yes ☐ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1755</u> psig	psig	psig
End of test pressure	<u>1755</u> psig	psig	psig
CASING/TUBING	ANNULUS PRESSURE		
0 minutes	<u>1160</u> psig	psig	psig
5 minutes	<u>1160</u> psig	psig	psig
10 minutes	<u>1160</u> psig	psig	psig
15 minutes	<u>1160</u> psig	psig	psig
20 minutes	<u>1160</u> psig	psig	psig
25 minutes	<u>1160</u> psig	psig	psig
30 minutes	<u>1160</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

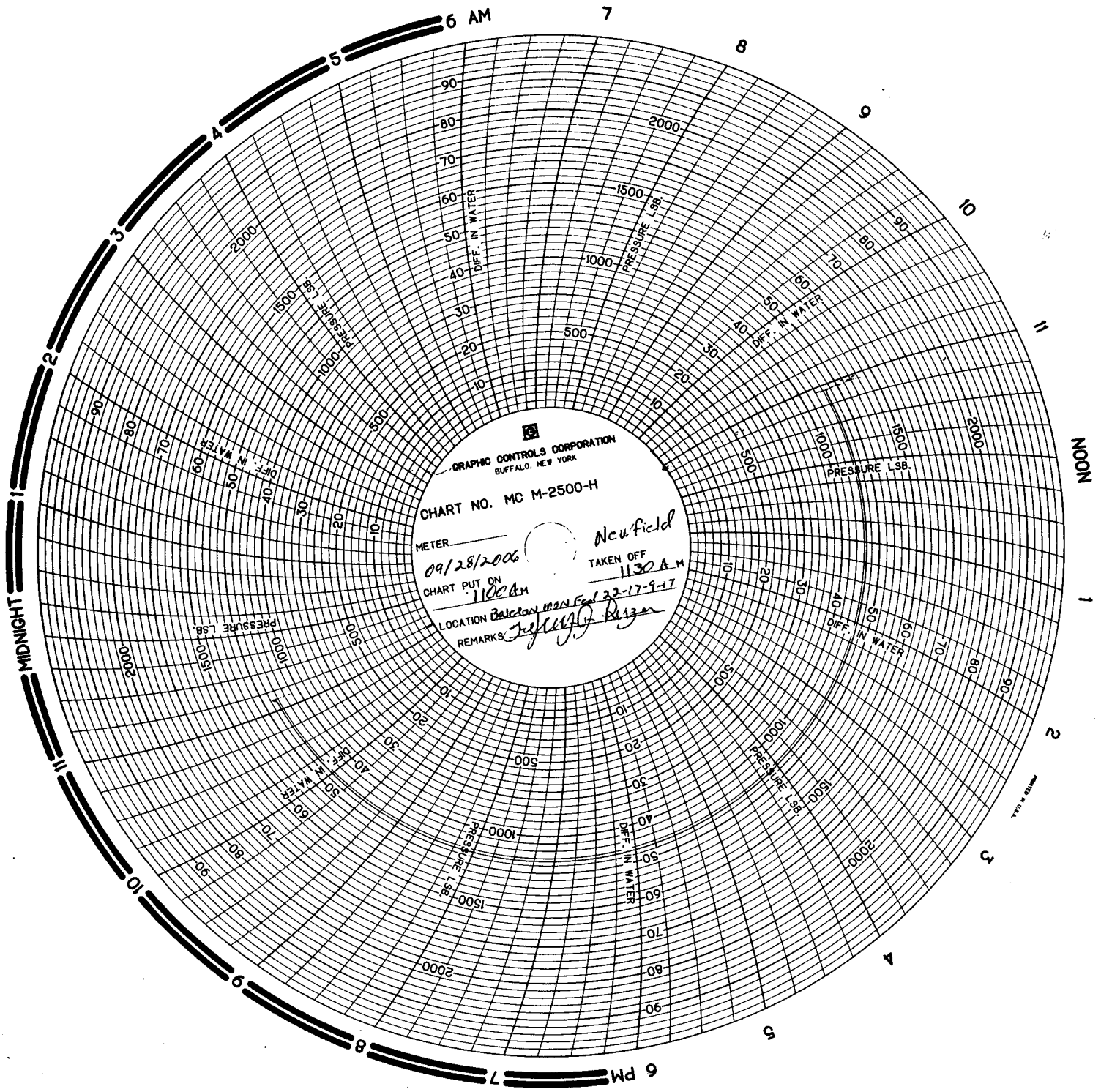
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

RECEIVE

OCT 04 2006

DIV. OF OIL, GAS & MIN.



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER

09/28/2006

Newfield
TAKEN OFF
1130 A.M.

CHART PUT ON
1100 A.M.

LOCATION Barclay MAN Fld 22-17-9-7

REMARKS Jeffrey R. Rizer

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-72106
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MON FED 22-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 17 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013314290000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/15/2011	OTHER: 5 YR MIT	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 08/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 08/15/2011 the casing was pressured up to 1175 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1809 psig during the test. There was not an EPA representative available to witness the test. <div style="text-align: center;">EPA# UT20798-04314</div> <div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining Date: <u>08/24/2011</u> By: </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/22/2011	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____

Date: 8 / 15 / 11Test conducted by: Lynn Manser

Others present: _____

Well Name: <u>Monument Federal 22-17-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/NW</u> Sec: <u>17</u> T <u>9</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>Ut.</u>
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test?

☒ Yes ☐ No

Initial test for permit?

☐ Yes ☒ No

Test after well rework?

☐ Yes ☒ No

Well injecting during test?

☐ Yes ☒ No

If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1809</u> psig	psig	psig
End of test pressure	<u>1806</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1175</u> psig	psig	psig
5 minutes	<u>1175</u> psig	psig	psig
10 minutes	<u>1175</u> psig	psig	psig
15 minutes	<u>1175</u> psig	psig	psig
20 minutes	<u>1175</u> psig	psig	psig
25 minutes	<u>1175</u> psig	psig	psig
30 minutes	<u>1175</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

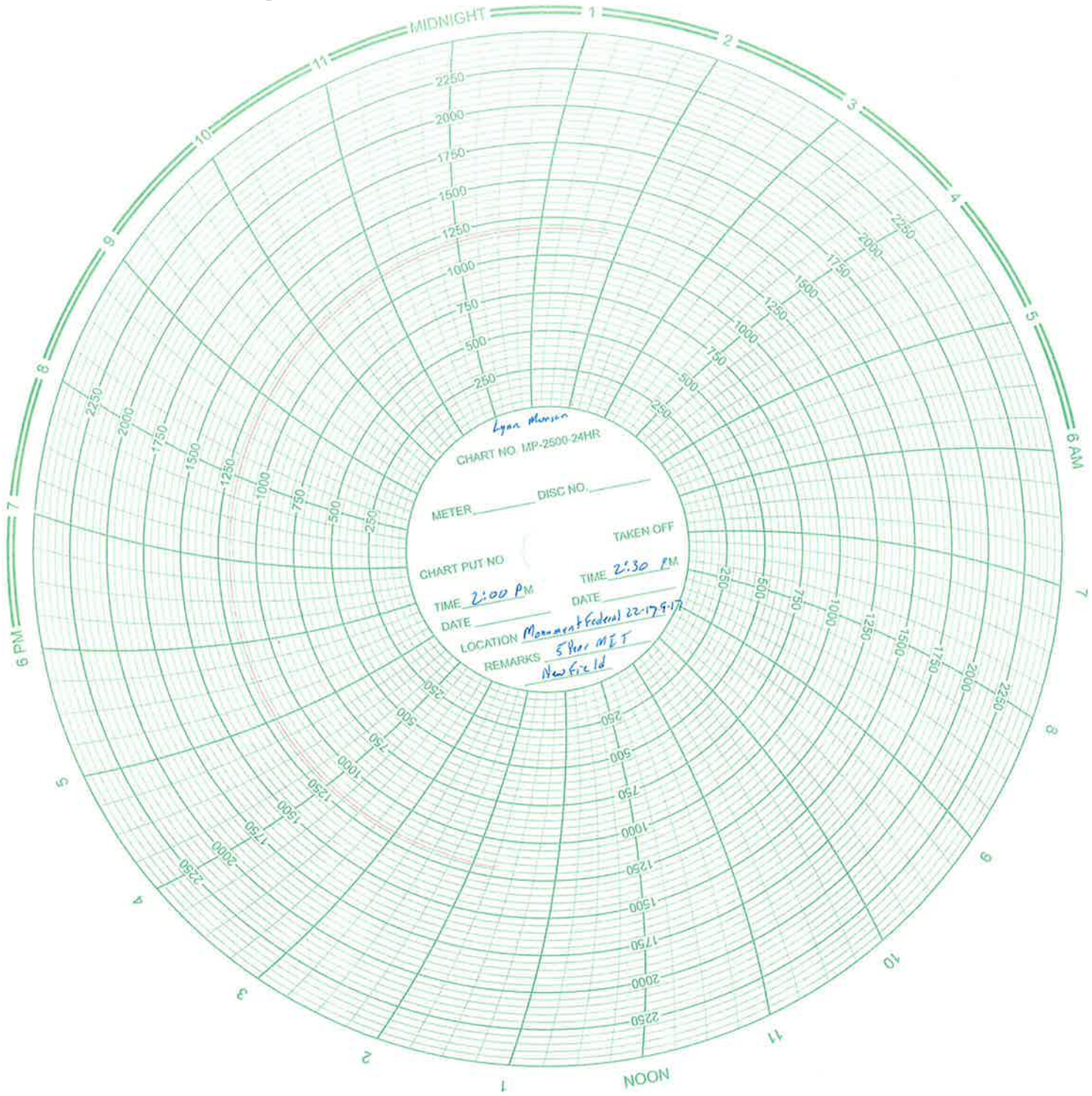
Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

RECEIVED Aug. 22, 2011



Spud Date: 5/20/94

Completion Date: 6/17/94

GL: 5383' KB: 5393' KB (10' KB)

Balcron Monument Federal #22-17

Initial Production: 35 BO, 10 BW

Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

Tubing Record

SIZE-GRADE/WT.: 2-7/8" / J-55 / 6.8#
NO. OF JOINTS: 126 Jts (3891.72')
SEATING NIPPLE: 2-7/8" x 1.10'
ARROW SET / PACKER: 2-3/8"x5-1/2"x7.25'
PACKER LANDED AT: 3903' KB
PKR set W/ 9" (10,000#) Tension

CONVERSION:
1.) Tag fill @ 5545' KB
2.) THH w/ RBP & PKR and pump filtered
KCL water to establish injection rate
into each zone.
3.) Replace 2-3/8" tbg with new 2-7/8" tbg
from Marta-Co.
4.) Pump PKR fluid and Set Arrow Set-I PKR
@ 3903'. Press. test csg to 1000 psi. Good.

PACKER FLUID: Champion Cortron 2383 PKR fluid
mixed w/ 60 bbls 2% KCL water. 10-18-96

MIT RECORD:
11/13/96 Witnessed by
Dan Jarvis w/ the Utah
Oil & Gas Commission.
1220 psi had been applied 24 hr
previously & still holding 1220 psi.

FRAC JOB

3980' - 3983' 6/7/94 by Western w/ 79,220# 16/30
& 3986' - 3995' sand w/ 31,000 gal 2% KCl gel,
Flush w/ 3990 gal 2% KCl wtr,
ATP-1840 psi, Max-2430 psi,
ATR-29.9 bpm, Max-30.8 bpm,
ISIP-1780 psi, 5min-1610 psi,
10min-1460 psi, 15min-1390 psi

Uinta Formation Surface to 1450 ft.

Cement Top 2735' KB

ACID JOB / BREAKDOWN JOB

3980' - 3983' 6/6/94 by Western w/2,142 gals 2%
& 3986' - 3995' KCl wtr w/ ball sealers. Balled Off.
ATP-4200 psi, Max-5000 psi.
ATR-6 bpm, ISIP-900 psi.

4040' - 4042' 2/26/96 798 bbls 2% KCl water. Initial
& 4052' - 4054' break at 1200 psi, at 2 bpm.

Green River Formation 1450 to 5400 ft.

Arrow Set - I Packer
Packer @ 3903'

3980'-83'
3986'-95'

4040'-42'
4052'-54'

Douglas Creek Member 4550 to 5400 ft.
Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5582'
TD @ 5650'
Wasatch Formation 5950 ft.

PERFORATION RECORD

3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

NEWFIELD

Balcron Monument Federal #22-17

1880' FNL 1980' FWL

SE NW Section 17-T9S-R17E

Duchesne Co, Utah

API #43-013-31429; Lease #U-72106

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-72106
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MON FED 22-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1800 FNL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 17 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013314290000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/27/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 07/27/2016 the casing was pressured up to 1024 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1650 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04314		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 28, 2016		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 7/28/2016

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7/27/2016
Test conducted by: EVERETT UNRUH
Others present: _____

Well Name: <u>BALCON Mon. Feb. 22-17-9-17</u> Type: ER SWD Status: AC TA UC	
Field: <u>Monument Butte</u>	
Location: <u>SE NW</u> Sec: <u>17</u> T <u>9</u> N <u>S</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>ut</u>	
Operator: <u>New Field</u>	
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1713</u> PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 20 bpd

Pre-test casing/tubing annulus pressure: _____ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1650</u> psig	psig	psig
End of test pressure	<u>1650</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1024</u> psig	psig	psig
5 minutes	<u>1024</u> psig	psig	psig
10 minutes	<u>1024</u> psig	psig	psig
15 minutes	<u>1024</u> psig	psig	psig
20 minutes	<u>1024</u> psig	psig	psig
25 minutes	<u>1024</u> psig	psig	psig
30 minutes	<u>1024</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

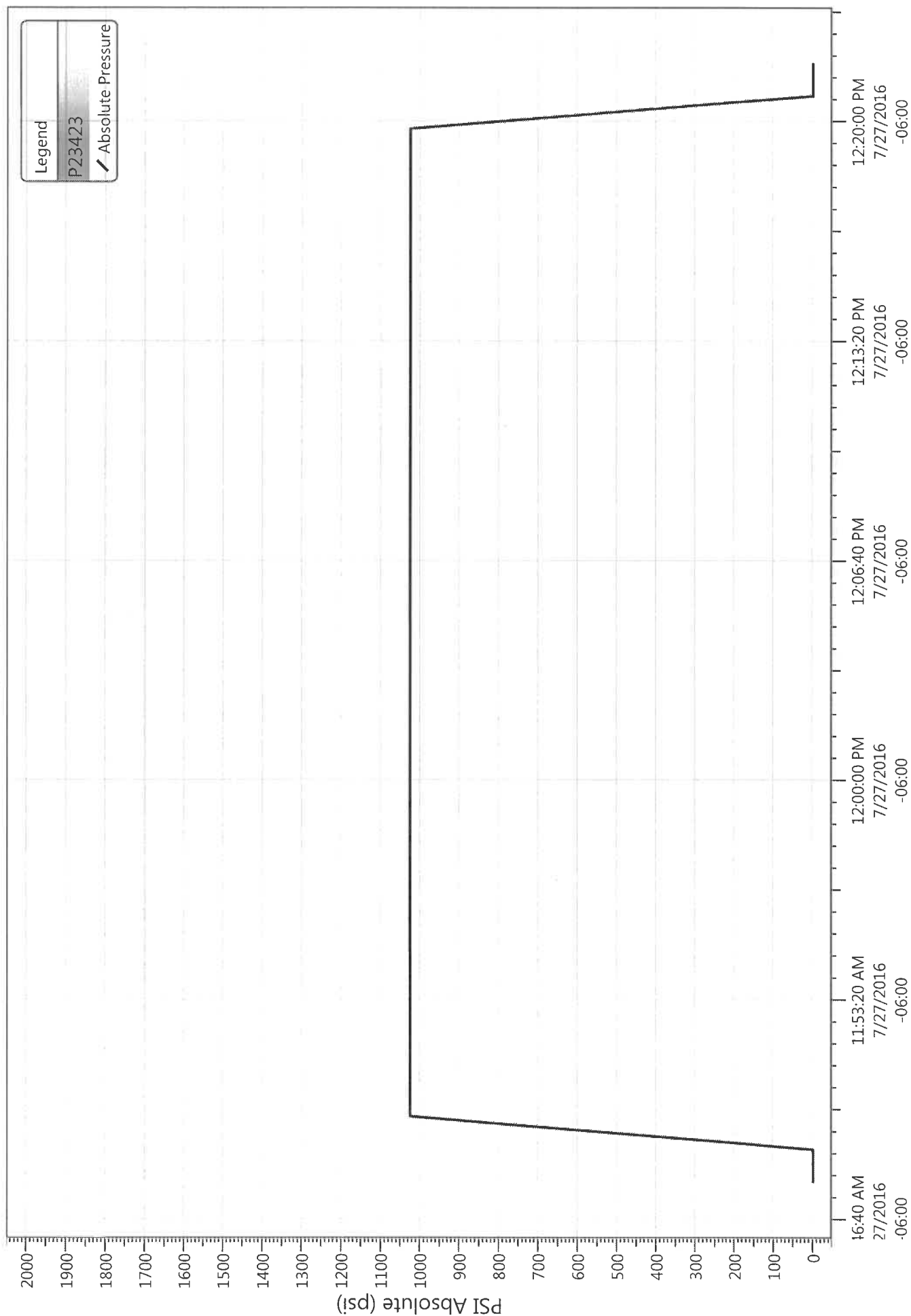
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Balcron Mon. Fed. 22-17-9-17 (7/27/2016, 5yr. MIT)

7/27/2016 11:46:22 AM





EQUITABLE RESOURCES ENERGY COMPANY

WELL NAME: **BALCRON MONUMENT FED #22-17**
FIELD: Monument Butte Field (Beluga Unit)
FEDERAL LEASE NO.: U-72106
LOCATION: SE NW Section 17, T9S, R17E
FOOTAGE: 1880' FNL, 1980' FWL
COUNTY/STATE: Duchesne County, Utah
WORKING INTEREST: 0.91491728
PRODUCING FORMATION: Green River
COMPLETION DATE: 6-17-94
INITIAL PRODUCTION: 35 BO, 10 BW
OIL/GAS PURCHASER: Amoco
PRESENT PROD STATUS: Producing
ELEVATIONS - GROUND: 5383' GL
TOTAL DEPTH: 5650'

DATE : 3/22/96 vk

API NO.: 43-013-31429

NET REVENUE INTEREST: OIL : 0.80471769
GAS : 0.73108274

SPUD DATE: 5-20-94
OIL GRAVITY: 34 degrees
BHT:

KB: 5393' KB (10' KB)
PLUG BACK TD: 5581.62' KB

SURFACE CASING

STRING: 1
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 128 jts (3935.80')
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.75 ft) 9" tension
NO. OF JOINTS: 4 jts (119.51 ft)
SEATING NIPPLE: 2-7/8" x 1.10'
PERFORATED SUB: 2-7/8" x 3.2'
MUD ANCHOR: 2-7/8" x 30.45' w/ NC
TOTAL STRING LENGTH: 4092.81 ft (EOT @ 4102.8' KB)
SN LANDED AT: 4069.16' KB

SUCKER ROD RECORD

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 160 - 3/4 x 25' D-61 PLAIN
one - 3/4" x 2' Pony w/ guides
one - 1-1/2" x 25' K-Bar
one - 1" x 2' Pony w/ guides

TOTAL ROD STRING LENGTH: 4045.5'

PUMP NUMBER: Trico #1115
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
w/ SM plunger

STROKE LENGTH: 74"
PUMP SPEED, SPM: 4 SPM
PUMPING UNIT SIZE: CMI 160-173-74
PRIME MOVER: AJAX EA-30

LOGS: Dual Laterolog Micro-SFL; Compensated
Neutron-Litho-Density; Cement Bond,
Gamma Ray, Collar Log.

PRODUCTION CASING

STRING: 1
CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

PERFORATION RECORD

3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

ACID JOB / BREAKDOWN JOB

3980' - 3983' & 3986' - 3995'	6/6/94	by Western w/2,142 gals 2% KCl wtr w/ ball sealers. Balled Off. ATP-4200 psi, Max-5000 psi. ATR-6 bpm, ISIP-900 psi.
4040' - 4042' & 4052' - 4054'	2/26/96	798 bbls 2% KCl water. Initial break at 1200 psi, at 2 bpm.

FRAC JOB

3980' - 3983' & 3986' - 3995'	6/7/94	by Western w/ 79,220# 16/30 sand w/ 31,000 gal 2% KCl gel, Flush w/ 3990 gal 2% KCl wtr, ATP-1840 psi, Max-2430 psi. ATR-29.9 bpm, Max-30.8 bpm. ISIP-1780 psi, 5min-1610 psi, 10min-1460 psi, 15min-1390 psi.
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Elev.GR - 5383' GL
Elev.KB - 5393' KB (10' KB)

WELLBORE DIAGRAM

DATE : 3/22/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 128 jts (3935.80')
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.75 ft) 9" tension
NO. OF JOINTS: 4 jts (119.51 ft)
SEATING NIPPLE: 2-7/8" x 1.10'
PERFORATED SUB: 2-7/8" x 3.2'
MUD ANCHOR: 2-7/8" x 30.45' w/ NC
TOTAL STRING LENGTH: 4092.81 ft (EOT @ 4102.8' KB)
SN LANDED AT: 4069.16' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 160 - 3/4 x 25' D-61 PLAIN
one - 3/4" x 2' Pony w/ guides
one - 1-1/2" x 25' K-Bar
one - 1" x 2' Pony w/ guides

TAL ROD STRING LENGTH: 4045.5'

PUMP NUMBER: Trico #1115
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
w/ SM plunger

STROKE LENGTH: 74"
PUMP SPEED, SPM: 4 SPM
PUMPING UNIT SIZE: CMI 160-173-74
PRIME MOVER: AJAX EA-30

LOGS: Dual Laterolog Micro-SFL; Compensated
Neutron-Litho-Density; Cement Bond,
Gamma Ray, Collar Log.

ACID JOB /BREAKDOWN

3980' - 3983' 6/6/94 by Western w/2,142 gals 2%
& 3986' - 3995' KCl wtr w/ ball sealers. Balled Off.
ATP-4200 psi, Max-5000 psi.
ATR-6 bpm, ISIP-900 psi.

4040' - 4042' 2/26/96 798 bbls 2% KCl water. Initial
& 4052' - 4054' break at 1200 psi, at 2 bpm.

FRAC JOB

3980' - 3983' 6/7/94 by Western w/ 79,220# 16/30
& 3986' - 3995' sand w/ 31,000 gal 2% KCl gel,
Flush w/ 3990 gal 2% KCl wtr,
ATP-1840 psi, Max-2430 psi.
ATR-29.9 bpm, Max-30.8 bpm.
ISIP-1780 psi, 5min-1610 psi,
10min-1460 psi, 15min-1390 psi.

PERFORATION RECORD

Interval	Date	SPF	ft	Holes	Y2
3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

365' KB

TOC @ 2735' KB

3980' - 3983'
3986' - 3995'

4040' - 4042'
4052' - 4054'

SN LANDED @ 4069' KB
EOT LANDED @ 4103' KB

PBTD @ 5582' KB
TD @ 5650' KB



BALCRON MONUMENT FED #22-17
SE NW Sec.17, T9S, R17E
1880' FNL, 1980' FWL
Lease #U-72106
Monument Butte Field (Beluga Unit)
Duchesne County, Utah

Elev.GR - 5383' GL
Elev.KB - 5393' KB (10' KB)

Proposed Injection Wellbore Diagram

DATE : 3/22/96 JZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

365' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

Uinta Formation Surface to 1450 ft.

TOC @ 2735' KB

PERFORATION RECORD

3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.8#
NO. OF JOINTS: 3910'
SEATING NIPPLE: 2-7/8" x 1.10'
ARROW SET 1 PACKER: 5-1/2" x 4'
PACKER LANDED AT: 3920' KB

Green River Formation 1450 to 5400 ft.

ARROW SET-1 PACKER
SET AT 3920' KB

3980' - 3983'
3986' - 3995'

4040' - 4042'
4052' - 4054'

Douglas Creek Member 4550 to 5400 ft.
Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5582' KB
TD @ 5650' KB

Wasatch Formation 5950 ft.



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON MONUMENT FED #22-17
SE NW Sec.17, T9S, R17E
1880' FNL, 1980' FWL
Lease #U-72106
Monument Butte Field (Beluga Unit)
Duchesne County, Utah

Elev.GR - 5383' GL
Elev.KB - 5393' KB (10' KB)

Proposed Plugging & Abandonment Diagram

DATE : 3/22/96 JZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 354.9' (8 jts)
DEPTH LANDED: 365' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: By Western w/225 sxs "G" w/
2% CaCl & 1/4 #/sx Celloseal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5618.32' (129 jts)
DEPTH LANDED: 5627.32' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: By Western w/180 sxs Super "G"
+ (47# "G"+20# Poz + 17#
CSE)/sk + 2% gel + 3% salt,
tailed w/ 210 sxs 50/50 POZ +
2% gel + 10% salt + 14 #/sk
celloseal

CEMENT TOP AT: 2735' KB (per CBL)

PLUGGING PROCEDURE

Enter the well w/tbg and wash to TD. If the well is not dead, circulate mud with sufficient weight to kill the well. Pump a balanced cement plug using 260 sacks across the Douglas Creek Member of the Green River Formation from TD to at least 300 ft above the upper most perms. The production csg will be perforated for two feet using 4 SPF at a point 100 ft below the surface csg shoe. Circulation will be established to surface and cement will be circulated to fill the production csg & the annulus from the perforations to surface using 100 sx of class-G cement. The top of the second cement plug will be at the surface & the bottom will be 100 ft below the surface csg shoe. A P&A marker will be set to identify the location.

Permanent P&A marker w/ identifying well information.

Plug No.2 Surface to 365 ft.
Perforate csg at 100 ft below
the surface csg shoe & circulate
100 sx of Class-G Cement

Uinta Formation Surface to 1450 ft.

TOC @ 2735' KB

PERFORATION RECORD

3980' - 3983'	6/6/94	(4 SPF)	3 ft	12 Holes	Y2
3986' - 3995'	6/6/94	(4 SPF)	9 ft	36 Holes	Y2
4040' - 4042'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3
4052' - 4054'	2/26/96	(4 SPF)	2 ft	8 Holes	Y3

Green River Formation 1450 to 5400 ft.

3980' - 3983'
3986' - 3995'

Plug No.1 TD to 3680 ft.
260 sx of Class-G Cement

4040' - 4042'
4052' - 4054'

Douglas Creek Member 4550 to 5400 ft.
Wasatch Fm. Transition 5400 to 5950 ft.

PBTD @ 5582' KB
TD @ 5650' KB

Wasatch Formation 5950 ft.